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TABLE OF CONTENTS

CALENDAR	5
FOUNDATION AND ENDOWMENT.....	7
GOVERNMENT AND BOARD OF TRUSTEES.....	7
THE UNIVERSITY AND THE FACULTIES.....	10
OFFICERS OF INSTRUCTION AND OF ADMINISTRATION.....	11
ADMISSION TO THE UNDERGRADUATE COLLEGES.....	41
PAYMENTS TO THE UNIVERSITY.....	48
THE GRADUATE SCHOOL.....	50
THE COLLEGE OF ARTS AND SCIENCES.....	71
THE COLLEGE OF LAW	102
THE MEDICAL COLLEGE.....	107
THE VETERINARY COLLEGE.....	121
THE COLLEGE OF AGRICULTURE	128
THE COLLEGE OF ARCHITECTURE.....	149
THE COLLEGE OF CIVIL ENGINEERING.....	155
SIBLEY COLLEGE OF MECHANICAL ENGINEERING.....	163
THE UNIVERSITY LIBRARY.....	174
SCHOLARSHIPS AND PRIZES.....	177
HOLDERS OF FELLOWSHIPS AND OF SCHOLARSHIPS.....	183
MILITARY SCIENCE AND TACTICS, ETC	186
BENEFICIARY FUNDS.....	189
ALUMNI ORGANIZATIONS.....	191
THE SUMMER SESSION.....	202
THE FORTY-EIGHTH ANNUAL COMMENCEMENT.....	215
CATALOGUE OF STUDENTS.....	227
SUMMARIES OF REGISTRATION.....	298
STUDENTS IN THE SUMMER SESSION.....	300
STUDENTS IN THE WINTER COURSES.....	321
INDEX OF SUBJECTS AND OF NAMES.....	323

1916																				
JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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1917																				
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..	30	31

CALENDAR

First Term, 1916-17

Sept. 27,	Wednesday,	Registration in the Medical College in New York City.
Oct. 3,	Tuesday,	Entrance examinations begin.
Oct. 9,	Monday,	Academic year begins. Registration of new students. Scholarship examinations begin.
Oct. 10,	Tuesday,	Registration of new students.
Oct. 11,	Wednesday,	Registration of old students.
Oct. 12,	Thursday,	Instruction begins in all departments of the University at Ithaca. President's annual address to the students at 12 m.
Oct. 9-11,	Monday-Wednesday,	Registration, Graduate School.
Oct. 31,	Tuesday,	Last day for payment of tuition.
Nov. 8,	Friday,	Winter Courses in Agriculture begin.
Nov. 30,	Thursday,	Thanksgiving Recess.
Dec. 19,	Tuesday,	Latest date for announcing subject of theses for advanced degrees in June.
Dec. 22,	Wednesday,	Instruction ends
Jan. 2,	Tuesday,	Instruction resumed
Jan. 10,	Monday,	The '94 Memorial Prize Competition.
Jan. 11,	Tuesday,	Founder's Day.
Feb. 5,	Monday,	Instruction ends.
Feb. 6,	Tuesday,	Term examinations begin.

Second Term, 1916-17

Feb. 17,	Saturday,	Registration, undergraduates.
Feb. 19,	Monday,	Registration, Graduate School.
Feb. 19,	Monday,	Instruction begins.
Feb. 16,	Friday,	Winter Courses in Agriculture end.
Mar. 9,	Friday,	Last day for payment of tuition.
Mar. 15,	Thursday,	The latest date for receiving applications for Fellowships and Scholarships in the Graduate School.
April 4,	Wednesday,	Instruction ends
April 12,	Thursday,	Instruction resumed
April 12,	Thursday,	The latest date for presenting Woodford Orations.
May 4,	Friday,	The Woodford Prize Competition.
May 18,	Friday,	The '86 Memorial Prize Competition.
May 26,	Saturday,	Navy Day.
June 13,	Wednesday,	Term examinations begin.
June 8,	Thursday,	Commencement of the Medical College in New York City.
June 27,	Wednesday,	Forty-ninth Annual Commencement.
Aug. 1,	Wednesday,	Latest date for announcing subjects of theses for advanced degrees in February.

Third Term (in the College of Agriculture only), 1916-17

June 11,	Monday,	Registration.
June 12,	Tuesday,	Instruction begins.
Sept. 26,	Wednesday,	Term ends.

Summer Session, 1917

July 9,	Thursday,	Summer Session begins.
Aug. 17,	Wednesday,	Summer Session ends.

Summer School in Agriculture, 1917

July 9,	Thursday,	Summer School begins.
Aug. 17,	Wednesday,	Summer School ends.

CORNELL UNIVERSITY

FOUNDATION AND ENDOWMENT

"I would found an institution where any person can find instruction in any study."—EZRA CORNELL.

Cornell University was incorporated by the legislature of the State of New York on April 27, 1865, and to the University there were appropriated the proceeds of the sale of land scrip representing nine hundred and ninety thousand acres of public lands granted to the State in accordance with the provisions of an Act of Congress, approved on July 2, 1862. The amount realized from the State's sale of this land scrip was \$688,576.12.

Toward the endowment and maintenance of the new university, Ezra Cornell, at its foundation, donated \$500,000, and two hundred acres of land with useful buildings, along with several smaller gifts for special purposes.

A large portion of the land scrip sold by the State of New York was purchased by Ezra Cornell under contract providing that the profits derived from the sale of the lands should accrue to Cornell University. Under this contract of purchase, and by the wise administration of Ezra Cornell and the Board of Trustees through its Land Committee, of which Henry W. Sage was for many years chairman, Cornell University has up to July 1, 1916, realized \$5,041,766.85.

Cornell University was opened on October 7, 1868.

The lands and buildings and the equipment of the University have an estimated value of \$8,243,808.13. The productive and other funds of the University amount to \$15,389,953.66.

The current income of the University for the year 1915-16 was \$3,225,258.02. Of this amount, \$601,242.80 consisted of tuition and laboratory fees; \$657,972.56 was appropriated by the State of New York for the College of Agriculture and the Veterinary College; the residue of \$1,966,042.66 came from general investments and from miscellaneous sources. Donations and gifts during the year amounted to \$599,487.32.

The total expenses of the University for the corresponding period were \$3,065,169.67. The salaries of members of the instructing staff amounted to \$1,108,124.01; departmental expenses were \$657,555.26; the erection of new buildings cost \$337,030.15, all other expenses for the year amounted to \$962,460.25.

A detailed statement of the finances of the University is included in the annual report of the Comptroller, which accompanies the Annual Report of the President; this may be had gratis on application to the Secretary of the University.

GOVERNMENT OF THE UNIVERSITY

The government of Cornell University is vested in a President elected by the Board of Trustees, and a Board of Trustees, consisting of the President of the University and thirty-nine other members, of whom seven are ex-officio, viz.:

the Governor of the State of New York, the Lieutenant-Governor, the Speaker of the Assembly, the Commissioner of Education, the Commissioner of Agriculture, the President of the State Agricultural Society, and the Librarian of the Cornell Library. The eldest lineal male descendant of Ezra Cornell is a trustee during his life. Of the remaining thirty-four members, fifteen are elected by co-optation for a term of five years, ten are elected by the alumni of Cornell University to serve for five years, five are appointed by the Governor of the State of New York for the same term of service, three are elected by the University Faculty for terms of one, two, and three years, and one is annually elected by the State Grange.

BOARD OF TRUSTEES

The President of the University	Jacob Gould Schurman, A.M., D.Sc., LL.D.
The Governor of New York	Albany
The Lieutenant-Governor	Albany
The Speaker of the Assembly	Albany
The Commissioner of Education	Albany
The Commissioner of Agriculture	Albany
The President of the State Agricultural Society	Utica
The Librarian of the Cornell Library	Ithaca
Charles Ezra Cornell	Ithaca
*Jared T. Newman (B) . .	Ithaca
*Mynderse VanCleaf (B) . .	Ithaca
*Robert H. Treman (B) . .	Ithaca
*John C. Westervelt (A) . .	36 W. 34th St., New York
*Mrs. Harriet T. Moody (A) . .	2970 Groveland Ave., Chicago, Ill.
*Thomas B. Wilson (G) . .	Hall
Henry H. Westinghouse (B) . .	165 Broadway, New York
Charles E. Treman (B) . .	Ithaca
Roger B. Williams (B) . .	Ithaca
Franklin Matthews (A) . .	Columbia School of Journalism, New York
Cuthbert W. Pound (A) . .	Lockport
J. DuPratt White (G) . .	14 Wall St., New York
Charles H. Blood (B) . .	Ithaca
Charles Sidney Shepard (B) . .	New Haven, N. Y.
Henry W. Sackett (B) . .	Tribune Bldg., New York
Ira A. Place (A) . .	Grand Central Terminal, New York
George J. Tansey (A) . .	400 S. Broadway, St. Louis, Mo.
John A. Dix (G) . .	Thomson
Henry R. Ickelheimer (B) . .	Box 1854, New York
Charles M. Schwab (B) . .	111 Broadway, New York
Andrew D. White (B) . .	Ithaca
Henry J. Patten (A) . .	220 Western Union Bldg., Chicago, Ill.
Willard Straight (A) . .	120 Broadway, New York
Horace White (G) . .	White Memorial Bldg., Syracuse

*Term of office expires in 1917, the next group of six in 1918, etc.; faculty representatives in 1919, 1918, 1917, respectively. B., elected by Board; A., elected by Alumni; G., appointed by Governor; F., elected by the Faculty; Gr., elected by State Grange for 1916-17.

Andrew Carnegie	(B) . .	2 East 91st St., New York
George C. Boldt†	(B) . .	Waldorf-Astoria, New York
Frank H. Hiscock	(B) . .	Court House, Syracuse
Herbert D. Mason	(A) . .	Tulsa, Oklahoma
James Harvey Edwards	(A) . .	30 Church St., New York
Frank H. Miller	(G) . .	146 W. 54th St., New York
Dexter S. Kimball	(F) . .	Ithaca
Walter F. Willcox	(F) . .	Ithaca
John H. Comstock	(F) . .	Ithaca
Wm. F. Pratt	(Gr) . .	"The Meadows," Batavia

Emmons L. Williams, Comptroller of the University Morrill Hall, Ithaca
 Charles D. Bostwick, Treasurer of the University and Secretary of the Board
 of Trustees Morrill Hall, Ithaca

STANDING COMMITTEES OF THE BOARD OF TRUSTEES, 1916-17

Committee on General Administration: M. Van Cleef, Chairman, President Schurman, Andrew D. White, Charles E. Cornell, Roger B. Williams, James H. Edwards, Thomas B. Wilson, Henry H. Westinghouse, Charles E. Treman, Cuthbert W. Pound.

Committee on Finance: Roger B. Williams, Chairman, President Schurman, Ira A. Place, Robert H. Treman, Henry H. Ickelheimer, C. Sidney Shepard.

Committee on Buildings and Grounds: James H. Edwards, Chairman, President Schurman, John C. Westervelt, Henry W. Sackett, Charles H. Blood, J. DuPratt White.

Agricultural College Council: President Schurman, Chairman, Thomas B. Wilson, Charles S. Wilson, Fred W. Sessions, Jared T. Newman, John C. Westervelt, Horace White, Frank H. Miller, William F. Pratt, J. DuPratt White, John A. Dix, James G. Needham, William A. Stocking, Jr., Director of College of Agriculture and Comptroller of University without votes.

Medical College Council: President Schurman, Chairman, William M. Polk, H. R. Ickelheimer, H. H. Westinghouse, Ira A. Place, Lewis A. Stimson, Lewis A. Conner.

Veterinary College Council: President Schurman, Chairman, Veranus A. Moore, Charles S. Wilson, Fred W. Sessions, William F. Pratt, J. DuPratt White, John A. Dix, Horace White, Frank H. Miller, Thomas B. Wilson, Jared T. Newman, Franklin Matthews, Pierre A. Fish.

†Died December 5, 1916.

CORNELL UNIVERSITY

1. **The University.** Cornell University comprehends the Graduate School; the College of Arts and Sciences; the College of Law; the Medical College (including the Medical College in New York City and the Ithaca Division of the Medical College); the New York State Veterinary College; the New York State College of Agriculture; the College of Architecture; the College of Civil Engineering; and the Sibley College of Mechanical Engineering and Mechanic Arts. The New York State College of Agriculture and the New York State Veterinary College are administered by Cornell University, and their work is organically connected with that of the University.

2. **The University Faculty.** The University Faculty consists of the President who is ex-officio the presiding officer, and the Professors and Assistant Professors in colleges and schools of the University, along with the Librarian, the Assistant Librarians, the Registrar, and the Secretary of the University. It is the function of the University Faculty to consider questions that concern more than one special faculty, questions of University policy, and questions relating to the administration of the discipline of the University.

3. **The Faculty of the Graduate School.** The Faculty of the Graduate School consists of the President, who is ex-officio the presiding officer, and all Professors, Assistant Professors, and Instructors, who are actively engaged in supervising the work of graduate students as members of the special committees in charge of major and minor subjects.

4. **The College Faculties.** Each of the remaining faculties of the University is composed of the President, who is ex-officio the presiding officer, and all Professors, Assistant Professors, and Instructors who give instruction in the department or departments under the charge of that Faculty; but Instructors, with the exception of those who are appointed for a term of more than one year, have not the right to vote. Subject to the right of revision by the University Faculty on all matters affecting general University policy, it is the duty of each college Faculty to determine the entrance requirements for its own students; to prescribe and define courses of study for them; to determine the requirements for such degrees as are offered to students under its jurisdiction; to recommend to the Trustees such candidates for degrees as may have completed the respective requirements for those degrees; and in general to exercise jurisdiction over all other educational matters.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

THE UNIVERSITY FACULTY AND THE SEPARATE FACULTIES

- Schurman, Jacob Gould, A.M., D.Sc., LL.D., President of the University, 1892.
Professor of Philosophy, 1886.
- Adams, Bristow, B.A., Professor of Extension, Information Service, 1914.
- Adams, Joseph Quincy, jr., A.B., A.M., Ph.D., Assistant Professor of English, 1909. (Sabbatic leave, first term.) Instructor, 1904.
- Albee, Ernest, A.B., Ph.D., Professor of Philosophy, 1907. Instructor, 1892; Assistant Professor, 1902.
- Albert, Calvin Dodge, M.E., Professor of Machine Design, 1916.
Instructor, 1904; Assistant Professor of Machine Design, 1908.
- Alexander, Charles Paul, B.S., Instructor in Natural History, 1915.
Assistant in Biology, 1911; Assistant in the Farm Course, 1912; Instructor in Entomology, 1914.
- Allen, Arthur Augustus, A.B., A.M., Ph.D., Assistant Professor of Ornithology, 1915. Assistant in Neurology and Vertebrate Zoology, 1906-07; Instructor, 1909; Instructor in Zoology, 1912.
- Anderson, Ross Peter, A.B., Ph.D., Assistant Professor of Chemistry, 1914, Assistant, 1907; Instructor, 1911.
- Andrae, William Cook, M.E., Instructor in Machine Design, 1916.
- Andrews, Albert LeRoy, A.B., A.M., Ph.D., Instructor in German and Scandinavian, 1909.
- Andrews, Eugene Plumb, A.B., Assistant Professor of Archaeology and Curator of the Museum of Casts, 1911. Curator, 1897; Instructor, 1900.
- Armbruster, Fred W., Instructor in Machine Design, 1916.
- Asmus, Henry, Assistant Professor of Farriery and Head of the Department, 1914.
- Atkinson, George Francis, Ph.B., Professor of Botany with special reference to Comparative Morphology and Mycology, College of Arts and Sciences, 1896.
Assistant Professor, 1892; Associate Professor, 1893.
- Austen, Willard Henry, Librarian, 1915. Assistant Librarian, 1892.
- Ayres, Winfred Enos, Extension Instructor in Dairy Industry, 1915.
Instructor, 1914.
- Babcock, Howard Edward, B.S., Ph.B., Assistant Extension Professor and Assistant State Director of Farm Bureaus, 1913.
- Bailey, Elmer James, Ph.B., Ph.M., A.M., Ph.D., Assistant Professor of English, 1916. Assistant, 1907; Instructor in English, 1908.
- Bailey, Harold Capron, M.D., Instructor in Obstetrics, 1910. New York City.
Clinical Instructor in Surgery, 1906; Instructor in Pharmacology, 1907.
- Baker, Thomas Alexander, B.S., Instructor in Animal Husbandry, 1915.
Assistant, 1914.
- Baker, William Charles, B.S.A., Professor of Drawing in the College of Agriculture, 1914. Instructor in Drawing in Sibley College, 1899-1904; Instructor in Outdoor Art in the College of Agriculture, 1905-06; Assistant Professor of Drawing, 1907.
- Baldwin, Dane Lewis, A.B., M.A., Instructor in English, 1912.
- Ballard, William Cyrus, jr., M.E., Instructor in Electrical Engineering, 1911.
Instructor in Machine Design, 1910.
- Bancroft, Wilder Dwight, A.B., Ph.D., Professor of Physical Chemistry, 1903.
Assistant Professor, 1895.
- Barker, Elmer Eugene, A.B., Ph.D., Assistant Professor of Plant Breeding, 1914.
Assistant in Geology, 1909; Assistant in Entomology, 1910-11; Assistant in Plant Breeding, 1912; Instructor, 1913.

- Barnard, William Nichols, M.E., Professor of Power Engineering, 1915.
Assistant in Machine Design, 1897; Instructor, 1898-1900; Assistant Professor, 1903; Assistant Professor of Steam Engineering, 1905; Professor, 1907.
- Barnes, Fred Asa, C.E., M.C.E., Professor of Railroad Engineering, and Head of the Department, 1915. Instructor in Civil Engineering, 1902; Assistant Professor of Railroad Engineering, 1905.
- Barr, David Preswick, A.B., M.D., Instructor in Medicine.
- Barringer, Benjamin Stockwell, B.S., M.D., Clinical Instructor in Surgery, Department of Urology, 1914. Assistant, 1906-07.
- Barron, John Hall, B.S.A., Assistant Extension Professor of Farm Crops, 1915.
- Barrows, David Nye, M.D., Instructor in Clinical Surgery, Department of Gynecology, 1916. New York City. Assistant in Clinical Surgery, Department of Gynecology, 1916.
- Barrus, Mortier Franklin, B.A., Ph.D., Extension Professor of Plant Pathology, 1914. Assistant, 1908; Assistant Professor, 1911.
- Bason, George Francis, B.E., M.E., Instructor in Electrical Engineering, 1916.
- Baxter, Hubert E., B.Arch., Instructor in Architecture, 1911.
- Beal, Alvin Casey, B.S., M.S. in Agr., Ph.D., Professor of Floriculture, 1913.
Assistant, 1910; Assistant Professor, 1911.
- Bean, Ward C., Instructor in Geology, 1916.
- Bechtel, Albert Reiff, B.S., A.M., Instructor in Botany, 1915.
- Bedell, Frederic, A.B., Ph.D., Professor of Applied Electricity, 1904.
Instructor in Physics, 1892; Assistant Professor, 1893.
- Beekman, Fenwick, M.D., Instructor in Operative Surgery, 1914. New York City.
- Behrends, Fred, Instructor in Rural Engineering, 1916.
- Beitz, William Edward, C.E., Instructor in Civil Engineering, 1912.
- Benedict, Stanley R., Ph.D., Professor of Chemistry, 1912. New York City.
Assistant Professor, 1910.
- Benjamin, Earl Whitney, B.S. in Agr., M.S. in Agr., Ph.D., Assistant Professor of Poultry Husbandry, 1914. Assistant, 1910; Instructor, 1911.
- Bennett, Charles Edwin, A.B., Litt.D., Goldwin Smith Professor of Latin, 1912.
Professor, 1892.
- Bentley, John, jr., B.S., M.F., Assistant Professor of Forestry, 1912.
- Berry, Charles Harold, M.E., Assistant Professor of Power Engineering, 1916.
Instructor, 1913.
- Besemer, Arthur Merle, B.S., Instructor in Dairy Industry, 1914. Assistant, 1913.
- Betten, Cornelius, M.A., Ph.D., Professor, Secretary and Registrar, College of Agriculture, 1915.
- Betz, Hermann, Instructor in Mathematics, 1915.
- Bidwell, Charles Clarence, A.B., Instructor in Physics, 1915. Assistant, 1910;
Instructor, 1912-14.
- Birch, Raymond Russell, D.V.M., Assistant Professor and Superintendent of the Veterinary Experimental Station, 1916. Assistant, 1910; Instructor in Experimental Pathology, 1910; Instructor in charge of Station, 1911; Superintendent of Station, 1914.
- Birdseye, Miriam, B.A., Assistant Professor of Home Economics, 1914.
- Bizzell, James Adrian, B.S., M.S., Ph.D., Professor of Soil Technology in the Federal Experiment Station, 1912. Assistant Chemist, 1903; Assistant Professor of Soil Technology in the Federal Experiment Station, 1908.
- Blaker, Ernest, B.S., Ph.D., Assistant Professor of Physics, 1903. (Absent, first term.) Assistant, 1898; Instructor, 1901.
- Blodgett, F. M., Ph.D., Assistant Professor of Plant Pathology, 1915.

- Böck, Joseph Carl, Chem.E., Instructor in Chemistry, 1913. New York City.
- Boesche, Albert Wilhelm, A.B., Ph.D., Professor of German, 1915.
Instructor, 1905-06; Assistant Professor, 1910.
- Bogert, George Gleason, A.B., LL.B., Professor of Law, 1916.
Assistant in American History, 1906-08; Acting Assistant Professor of Law, 1911;
Assistant Professor of Law, 1913.
- Boring, Edmund Garrigues, M.E., M.A., Ph.D., Instructor in Psychology, 1913.
Assistant, 1911.
- Boulter, Lewis Henry, A.B., A.M., Instructor in English, 1914.
- Boutelle, C. A., Assistant Professor (Extension) of Animal Husbandry, 1916.
- Bown, Ralph A., M.E., M.M.E., Instructor in Physics, 1914. Assistant in Machine Design, 1912; Assistant in Physics, 1913.
- Bradford, Louis Jacquelin, B.S., Instructor in Machine Design, 1912.
- Bradley, James Chester, A.B., M.S., Ph.D., Assistant Professor of Systematic Entomology, 1911. Assistant, 1905-06; 1907-09.
- Bradley, Jesse Franklin, A.B., Instructor in English, 1916.
- Brannon, James Marshall, M.A., Instructor in Botany in the New York State College of Agriculture, 1915.
- Brauner, Olaf Martinius, Professor of Drawing and Painting in the College of Architecture, and Head of the Department, 1909. Instructor, 1895; Assistant Professor, 1898.
- Bretz, Julian Pleasant, A.B., Ph.D., Professor of American History, 1910. (Sabbatic leave, second term.) Assistant Professor, 1908.
- Brewer, Sarah Lucile, B.S., Instructor in Home Economics, 1916.
- Briggs, Thomas Roland, A.B., Ph.D., Assistant Professor of Physical Chemistry and Electrochemistry, 1915. Assistant, 1909-1912.
- Bristol, George Prentice, A.B., A.M., Professor of Greek, 1898; Head of the Department, 1914; Director of the Summer Session, 1905.
Assistant Professor, 1888; Associate Professor, 1890; Director of the School of Education, 1910-16.
- Broughton, Leslie Nathan, A.B., A.M., Ph.D., Assistant Professor of English, 1916. Instructor, 1910.
- Broun, LeRoy, M.D., Clinical Instructor in Surgery, Department of Gynecology, 1906. New York City.
- Brown, Harold Warner, BS., M.M.E., Instructor in Electrical Engineering, 1912.
- Brown, Thomas Benjamin, A.B., Instructor in Physics, 1913. Assistant, 1912.
- Browne, Arthur Wesley, B.S., M.S., Ph.D., Professor of Inorganic and Analytical Chemistry, 1910. Instructor, 1903; Assistant Professor, 1906.
- Buckman, Harry Oliver, M.S.A., Ph.D., Assistant Professor of Soil Technology, 1912. Assistant, 1910; Instructor, 1912.
- Bulkley, Kenneth, M.D., Instructor in Clinical Surgery, 1915. New York City.
- Bundy, Murray Wright, A.B., A.M., Instructor in English, 1914.
- Burdick, Charles Kellogg, A.B., LL.B., Professor of Law, 1914.
- Burke, Franklin T., M.D., Clinical Instructor in Surgery, Department of Laryngology and Rhinology, 1909. New York City. Assistant, 1901.
- Burnett, Samuel Howard, A.B., M.S., D.V.M., Professor of Comparative Pathology, 1913. (Absent). Assistant, 1899; Instructor, 1901; Assistant Professor, 1908.
- Burnham, LeRoy P., S.B., M.S. in Arch., Assistant Professor of Architecture, 1914.
- Burr, George Lincoln, A.B., LL.D., Litt.D., Professor of Medieval History, 1902.
Instructor in Modern History, 1881-84; Instructor in Anglo-Saxon, 1886-87;
Instructor in Medieval and Modern History, 1888; Assistant Professor of History, 1889; Assistant Professor of Ancient and Medieval History, 1890; Associate Professor, 1891; Professor, 1892.

- Burritt, Maurice Chase, B.S. in Agr., M.S.A., Extension Professor and State Director of Farm Bureaus, 1914.
- Burrows, Earle Nelson, C.E., M.C.E., Assistant Professor of Bridge Engineering, 1915. Instructor in Civil Engineering, 1910.
- Campbell, Robert Argyll, A.B., Lecturer in Economics, 1915.
- Canfield, Ellen Brainard, Instructor in Physical Training, 1894.
- Carpenter, James McFadden, jr., A.B., A.M., Instructor in the Romance Languages and Literatures, 1915.
- Carpenter, Rolla Clinton, M.S., C.E., M.M.E., LL.D., Professor of Experimental Engineering, 1895; Head of the Department of Engineering Research. Associate Professor, 1890.
- Carroll, Charles Antoninus, A.B., Instructor in English, 1916.
- Carver, Walter Buckingham, Ph.B., Ph.D., Assistant Professor of Mathematics, 1910. Instructor, 1906.
- Cavanaugh, George Walter, B.S., Professor of Chemistry in its Relations to Agriculture, 1909. Assistant, 1891; Assistant Professor, 1903.
- Cecil, Russell L., Instructor in Clinical Pathology and Medicine, 1916. New York City.
- Chamberlain, George Ray, M.E., Assistant Professor of Freehand Drawing in the College of Architecture, 1915. Instructor in Industrial Drawing and Art, 1902-04; Instructor in Freehand Drawing in the College of Architecture, 1906.
- Chamberlain, Robert Franklin, M.E., Instructor in Electrical Engineering, 1911.
- Chamot, Emile Monnin, B.S., Ph.D., Professor of Chemical Microscopy and Sanitary Chemistry, 1910.
Assistant, 1890; Instructor, 1891; Assistant Professor, 1901.
- Chandler, Wallace Larkin, Instructor in Entomology, 1915.
- Chandler, William Henry, B.S. in Agr., M.S. in Agr., Ph.D., Professor of Pomology, 1916. Professor of Research in Pomology, 1913.
- Church, Irving Porter, B.C.E., C.E., Professor of Applied Mechanics and Hydraulics. Emeritus. Assistant Professor of Civil Engineering, 1876; Associate Professor, 1891. Professor of Applied Mechanics and Hydraulics, 1892-1916.
- Cilley, Arthur H., M.D., Clinical Instructor in Surgery, Department of Orthopedics, 1913. New York City.
- Clark, Charles Parsons, B.S., Instructor in Farm Management, 1916.
Assistant, 1915.
- Clark, Harold Howard, M.E., Instructor in Machine Design, 1915.
- Clark, Roy Edwards, M.E., Instructor in Power Engineering, 1913.
- Coca, Arthur F., M.D., Instructor in Pathology, 1915. New York City.
Instructor in Experimental Pathology, 1911.
- Cole, Lewis G., M.D., Professor of Roentgenology, 1913. New York City.
Instructor, 1911.
- Coleman, Warren, A.B., A.M., M.D., Professor of Clinical Medicine and Applied Pharmacology, 1900. New York City. Instructor, 1898.
- Coley, William B., A.B., A.M., M.D., Professor of Clinical Surgery, Department of Surgery, 1909. New York City.
- Collingwood, G. Harris, B.S., Assistant Professor (Extension) in Forestry, 1916.
- Colucci, Frank, Instructor in the Romance Languages and Literatures, 1916.
- Coma, Antonio S., Instructor in the Romance Languages and Literatures, 1916.
- Comfort, William Wistar, A.B., A.M., Ph.D., Professor of the Romance Languages and Literatures, and Head of the Department, 1909.
- Comstock, Anna Botsford, B.S., Assistant Professor of Nature Study, 1913.
Lecturer in Nature Study, 1903; Lecturer Extension Teaching, 1906; Lecturer in Nature Study, 1907.

- Comstock, John Henry, B.S., Professor of Entomology and General Invertebrate Zoology, Emeritus, 1914. Instructor in Entomology, 1873; Assistant Professor, 1876; Professor, 1882.
- Conner, Lewis Atterbury, Ph.B., M.D., Professor of Clinical Medicine, 1900. New York City. Instructor, 1898.
- Conwell, Walter Lichtenthaeler, C.E., Assistant Professor of Railroad Engineering, 1915. Instructor in Civil Engineering, 1911.
- Cooper, Lane, A.B., A.M., Ph.D., Professor of the English Language and Literature, 1915. Instructor in English, 1902; Assistant Professor, 1906.
- Cornell, Walter Rodney, B.S., Instructor in Mechanics of Engineering, 1910. Instructor in Civil Engineering, 1909.
- Corwin, Charles Dudley, M.E., Instructor in Machine Design, 1910. (Absent.)
- Cota, Alejandro R., M.E., Instructor in Electrical Engineering, 1916.
- Craig, Clyde Firman, A.B., Ph.D., Assistant Professor of Mathematics, 1915. Assistant, 1906; Instructor, 1907.
- Craig, William Thomas, Instructor in Plant Breeding, 1915. Assistant, 1913.
- Crandall, Carl, C.E., Instructor in Civil Engineering, 1913.
- Crandall, Charles Lee, C.E., B.C.E., M.C.E., Professor of Railway Engineering and Geodesy, Emeritus, 1915. Instructor in Civil Engineering, 1873; Assistant Professor, 1875; Associate Professor, 1891; Professor of Railway Engineering and Geodesy, 1895; in charge of the College of Civil Engineering, 1902-06.
- Crane, Thomas Frederick, A.B., A.M., Ph.D., Litt.D., Professor of the Romance Languages and Literatures, Emeritus, 1909. Assistant Professor of South European Languages, 1868; Professor of Italian and Spanish, 1873; Professor of the Romance Languages and Literatures, 1881. Dean of the Faculty of Arts and Sciences, 1896-1902; Acting President of the University, 1899-1900; 1912-1913; Dean of the University Faculty, 1901.
- Creighton, James Edwin, A.B., Ph.D., LL.D., Sage Professor of Logic and Metaphysics, 1895. Dean of the Graduate School, 1914. Instructor in Philosophy, 1889; Associate Professor of Modern Philosophy, 1892.
- Crichtlow, Howard Thompson, C.E., Instructor in Civil Engineering, 1915.
- Crosby, Cyrus Richard, A.B., Extension Professor of Entomology, 1913. Entomologist, 1906; Assistant Professor of Entomological Investigations, 1909.
- Crosby, Dick J., B.S., M.S., Professor of Extension Teaching, 1915.
- Cross, Lewis Josephus, A.B., Ph.D., Professor of Agricultural Chemistry, 1914. Assistant in Chemistry, 1908; Instructor in Agricultural Chemistry, 1909; Assistant Professor, 1912.
- Curtis, Otis Freeman, M.S., Instructor in Botany, 1913. Assistant in the Farm Course, 1912.
- Curtis, Ralph Wright, B.S.A., M.S.A., Professor of Landscape Art, 1916. Assistant in Nature Study, 1905-06; Assistant Professor, 1913.
- Dallenbach, Karl M., A.B., A.M., Ph.D., Instructor in Psychology, 1916.
- Dana, Charles Loomis, A.M., M.D., Professor of Clinical Medicine, Department of Neurology, 1898. New York City.
- Dann, Archie Byron, B.S., Instructor in Poultry Husbandry, 1915. Assistant, 1913.
- Dann, Hollis Ellsworth, Mus.D., Professor of Music, 1907. Instructor, 1903; Assistant Professor, 1904.
- Davenport, Herbert Joseph, Ph.B., Ph.D., Professor of Economics, 1916.
- Davidson, Hermann Christian, Ph.D., Assistant Professor of German, 1909. Instructor, 1907.
- Davis, Adam Clarke, jr., Instructor in Experimental Engineering, 1914.
- Davis, E. Gorton, B.S., Professor of Landscape Arts, 1916. Assistant Professor of Rural Art, 1911; Assistant Professor of Landscape Art, 1912.
- Davis, Henry Kennedy, A.B., Instructor in Anatomy, 1914. Assistant, 1912.
- Day, Ralph Burnette, M.E., Instructor in Mechanics, 1912.
- Deans, William, jr., Instructor in Electrical Engineering, 1914.

- DeGarmo, Charles, Ph.D., Professor of the Science and Art of Education, Emeritus, 1914. Professor, 1898; Dean of the Summer Session, 1898-1905.
- Dennis, Frederick Shepard, A.B., M.D., F.R.C.S., Professor of Clinical Surgery, Emeritus, 1910. New York City. Professor, 1898.
- Dennis, Louis Munroe, Ph.B., B.S., Professor of Inorganic Chemistry and Head of the Department of Chemistry, 1903.
Instructor in Chemistry, 1887-89; Assistant Professor of Analytical Chemistry, 1891; Associate Professor, 1894; Professor, 1900.
- Diederichs, Herman, M.E., Professor of Experimental Engineering and Head of the Department, 1907; in Charge of the Mechanical Laboratory, 1910.
Assistant, 1898; Instructor, 1899; Assistant Professor, 1902.
- Diederichs, Hugo N., Instructor in Machine Design, 1916. Assistant, 1915.
- Diederichs, William Jacob, M.E., Instructor in Experimental Engineering, 1912.
- Dresbach, Melvin, M.S., M.D., Assistant Professor of Physiology, 1910.
Instructor, 1905; Assistant Professor of Pharmacology, 1909.
- Drummond, Alexander M., A.B., A.M., Assistant Professor of Public Speaking, 1916. Instructor, 1907.
- DuBois, Eugene F., M.D., Instructor in Applied Pharmacology, 1910; and Lecturer in Clinical Physiology, 1913. New York City.
- Durham, Charles Love, M.A., Ph.D., Professor of Latin, 1909.
Instructor, 1897; Assistant Professor, 1901.
- Dynes, Oliver Wesley, B.S., M.S. in Agr., Instructor in Farm Crops, 1914.
Student Assistant, 1910-11.
- Eames, Arthur Johnson, A.B., A.M., Ph.D., Assistant Professor of Botany in the College of Agriculture, 1914. Instructor, 1912.
- Edgar, James Clifton, Ph.B., A.M., M.D., Professor of Obstetrics and Clinical Midwifery, 1898. New York City.
- Edgerton, Henry White, A.B., Acting Assistant Professor of Law, 1916.
- Eggleston, Cary, M.D., Instructor in Materia Medica and Pharmacology, 1911. New York City.
- Ellenberger, Howard Bowman, B.S.A., M.S. in Agr., Instructor in Dairy Industry, 1915. Assistant, 1914.
- Ellenwood, Frank Oakes, A.B., Professor of Power Engineering, 1916.
Acting Assistant Professor, 1911; Assistant Professor, 1912.
- Elliot, George Thomson, A.B., M.D., Professor of Clinical Surgery, Department of Dermatology, 1898. New York City.
- Elmer, Herbert Charles, A.B., Ph.D., Professor of Latin, 1909.
Acting Assistant Professor, 1888; Assistant Professor, 1890.
- Elser, William James, M.D., Professor of Bacteriology, 1909. New York City.
Assistant in Pathology, 1901; Instructor in Bacteriology, 1904; Assistant Professor, 1908.
- Elston, Ellsworth David, A.B., A.M., Instructor in Physical Geography, 1913.
Assistant, 1912.
- Embody, George Charles, B.S., M.S., Ph.D., Assistant Professor of Aquiculture, 1912. Instructor in Neurology and Vertebrate Zoology, 1909-10; Instructor in Biology, 1911.
- Emerson, Rollin Adams, B.Sc., D.Sc., Professor of Plant Breeding, 1914.
- Engeln, Oscar Diedrich von, A.B., Ph.D., Assistant Professor of Physical Geography, 1912. Assistant in Dynamic Geology, 1905; Instructor, 1907.
- English, Donald, B.S., M.B.A., Assistant Professor of Economics, 1915.
Acting Assistant Professor, 1914.
- Erdman, Seward, A.B., M.D., Instructor in Clinical Surgery, 1911. New York City. Demonstrator of Anatomy, 1906-10.
- Everett, George Abram, A.B., LL.B., Professor of Extension Teaching, 1915.
Assistant in Elocution and Oratory, 1899-01; Instructor, 1904; Assistant Professor, 1906-07; 1910-15.
- Ewing, James, A.M., M.D., Professor of Pathology, 1899. New York City.

- Farr, Charles Everett, B.A., M.D., Instructor in Surgery, Department of Surgery, 1915. New York City. Assistant in Anatomy, 1908-11; Instructor in Surgery, 1913-14.
- Farrar, Lillian K. P., Instructor in Clinical Surgery, Department of Gynecology, 1916.
- Faust, Albert Bernhardt, A.B., Ph.D., Professor of German, 1910; Head of Department, 1914. Acting Assistant Professor, 1904; Assistant Professor, 1905.
- Fenton, Paul, Instructor in Machine Design, 1916.
- Ferguson, Jeremiah Sweetser, B.S., M.S., M.D., Secretary of the Medical Faculty, New York City, 1909. Instructor, 1898; Assistant Professor of Histology, 1908.
- Fippin, Elmer Otterbein, B.S. in Agr., Extension Professor of Soil Technology, 1911. Assistant Professor, 1905; Professor, 1909.
- Fish, Pierre Augustine, B.S., D.Sc., D.V.S., D.V.M., Professor of Veterinary Comparative Physiology and Pharmacology and Head of the Department, 1902. Instructor, 1890; Assistant Professor, 1896.
- Fisk, Walter Warner, B.S. in Agr., M.S. in Agr., Assistant Professor of Dairy Industry, 1913. Assistant, 1910; Instructor, 1911.
- Fiske, Frederic Ebell, A.B., Instructor in English, 1916.
- Fitch, Clifford Penny, B.S., M.S., D.V.M., Professor of Veterinary Bacteriology, 1916. Assistant, 1909; Instructor, 1911; Assistant Professor, 1913.
- Fitzpatrick, Harry Morton, A.B., Ph.D., Assistant Professor of Plant Pathology, 1913. Assistant in Botany, 1908; Instructor in Plant Pathology, 1911.
- Fleming, Bryant, B.S.A., Lecturer and Adviser to the Department of Landscape Art, 1916. Lecturer, 1904; Assistant Professor, 1907; Professor, 1911.
- Floyd, George D., B.Sc. in E.E., Instructor in Electrical Engineering, 1915.
- Forbes, W. T. M., Instructor in Entomology, New York State College of Agriculture, 1915.
- Ford, Walter Stebbins, M.E., Assistant Professor of Electrical Engineering, 1908. (Sabbatic leave.) Instructor, 1904.
- Foster, William Silliman, A.B., Ph.D., Assistant Professor of Education, 1916. Instructor in Psychology, 1913; Assistant, 1909.
- Francis, Daniel Robert, E.E., B.A., Instructor in Mechanics of Engineering, 1909.
- Fraser, Allan Cameron, B.S., Instructor in Plant Breeding, 1914. Assistant, 1913.
- Frink, Horace Westlake, M.D., Instructor in Clinical Medicine, 1914. New York City.
- Frost, James Nathan, D.V.M., Assistant Professor of Veterinary Surgery, 1913; and Acting Head of the Department of Surgery, 1915. Assistant, 1907; Instructor, 1908.
- Gaba, Meyer G., S.B., S.M., Ph.D., Instructor in Mathematics, 1915.
- Gage, Simon Henry, B.S., Professor of Histology and Embryology, Emeritus, 1908. Instructor in Microscopy and Practical Physiology, 1877-80; Assistant Professor of Physiology and Lecturer on Micro-Technology, 1881; Associate Professor, 1889; Associate Professor of Anatomy, Histology, and Embryology, 1893; Professor, 1895; Professor of Microscopy, Histology and Embryology, 1896; Professor of Histology and Embryology, 1902.
- Gage, Victor Raymond, M.E., M.M.E., Assistant Professor of Experimental Engineering, 1912. Instructor, 1907.
- Garner, Enoch Francis, M.E., Instructor in Machine Design, 1913. Instructor, 1907-10.
- Garrett, Clara L., Instructor in Drawing, 1916.
- Garrett, Seymour Stanton, C.E., Assistant Professor of Mechanics of Engineering, 1910. Instructor in Civil Engineering, 1906-08.
- Gavett, William Joseph, Jr., Instructor in Experimental Engineering, 1916.

- George, Sidney Gonzales, C.E., Professor of Applied Mechanics, 1916.
Instructor in Civil Engineering, 1905-07; Assistant Professor of Applied Mechanics, 1908.
- Georgia, Frederick Raymond, B.Chem., Instructor in Chemistry, 1915.
Assistant, 1914.
- Germann, Frank, E.E., A.B., Dr. ès. Sc., Instructor in Physics, 1915.
Assistant, 1914.
- Gerster, John C. A., M.D., Instructor in Operative Surgery, 1914. New York City.
- Gibbs, Roswell Clifton, A.B., A.M., Ph.D., Assistant Professor of Physics, 1912.
Assistant, 1906; Instructor, 1906.
- Gibson, A. Wright, Instructor in Farm Practice, 1915.
- Gibson, Charles Langdon, A.B., M.D., Assistant Professor of Surgery, 1912, New York City. Clinical Instructor in Diseases of the Genito-Urinary System, 1900; Instructor in Surgery, 1902; Professor of Clinical Surgery, 1904.
- Gibson, William Albert, A.B., M.E., Instructor in Experimental Engineering, 1914. Assistant in Machine Design, 1913.
- Gilbert, Allan H., A.B., Ph.D., Instructor in English, 1912.
- Gilbert, Arthur Witter, B.Sc., M.S. in Agr., Ph.D., Professor of Plant Breeding, 1911. (Sabbatic leave, first term.) Assistant, 1908; Assistant Professor, 1909.
- Gilkey, Royal, B.S. in Agr., Assistant Professor of Extension Teaching and Supervisor of Reading Courses, 1914. Instructor and Supervisor of Mailing Room, 1911; Supervisor of the Reading Course, 1911.
- Gill, Adam Capen, A.B., Ph.D., Professor of Mineralogy and Petrography, 1910. (Sabbatic leave.) Assistant Professor, 1894.
- Gillespie, David Clinton, A.B., M.A., Ph.D., Assistant Professor of Mathematics, 1911. Instructor, 1906.
- Gilman, Ray Edwin, A.B., Ph.D., Instructor in Mathematics, 1916.
- Gleason, Julia, Instructor in Home Economics, 1916.
- Goodridge, Malcolm, M.D., Assistant Professor of Therapeutics, 1916. New York City. Instructor, 1910.
- Graham, Robert William, E.E., Instructor in Electrical Engineering, 1915.
Instructor in Machine Design, 1913.
- Gray, Alexander M., B.Sc., E.E., Professor of Electrical Engineering and Head of the Department, 1915.
- Greenland, C. W., Instructor in Geology, 1916.
- Gregory, Charles Truman, B.S. in Agr., Ph.D., Assistant Professor of Plant Pathology, 1914. Assistant, 1911; Instructor, 1912.
- Griffin, Frederick Llewellyn, Professor of Rural Education, 1916.
- Gudernatsch, J. F., Ph.D., Assistant Professor of Anatomy, 1915. New York City. Instructor, 1909.
- Guerlac, Othon Goepp, Licencié ès lettres. M.A., LL.B., Assistant Professor of Romance Languages, 1904. (Absent.) Instructor, 1900.
- Guise, Cedric Hay, B.S., Instructor in Forestry, 1915. Assistant, 1914.
- Guthrie, Edward Sewall, B.S.A., M.S.A., Ph.D., Professor of Dairy Industry, 1913. Instructor and Investigator in Dairy Industry, 1908.
- Gutsell, Hiram Samuel, B.P., A.M., Assistant Professor of Freehand Drawing in the College of Architecture, 1904. Instructor in Drawing and Industrial Art, 1888; Instructor in Freehand Drawing and Modeling, 1904.
- Hagan, W. A., Instructor in Department of Obstetrics and Research in the Diseases of Breeding Cattle, 1916.
- Ham, Clarence Walter, B.M.E., M.E., Assistant Professor of Machine Design, 1914. Instructor, 1907.
- Ham, Edwin Sleight, B.S., Instructor in Animal Husbandry, 1915. Assistant, 1914.

Hamilton, George Livingstone, A.B., A.M., Ph.D., Professor of the Romance Languages and Literatures, 1915. Assistant Professor, 1911.

Hamlen, George Dempster, A.B., A.M., M.D., Instructor in Obstetrics Department of Gynecology, 1898. New York City.

Hammond, William Alexander, B.A., A.M., Ph.D., Sage Professor of Ancient Philosophy and of Aesthetics, 1908; Secretary of the University Faculty. Instructor in Greek Philosophy, 1891; Assistant Professor of Ancient and Medieval Philosophy, 1892; Assistant Professor of Ancient and Medieval Philosophy and Aesthetics, 1903.

Hardenburg, Earle Volcart, B.S., M.S. in Agr., Instructor in Farm Crops, 1912.

Harper, Merritt Wesley, B.Sc., M.S., Professor of Animal Husbandry, 1913. (Sabbatic leave, first term.) Assistant, 1905; Instructor, 1906; Assistant Professor, 1907.

Harris, George William, Ph.B., Librarian, Emeritus, 1915. Assistant Librarian, 1873; Acting Librarian, 1883; Librarian, 1890.

Harris, Gilbert Dennison, Ph.B., Professor of Paleontology and Stratigraphic Geology, 1909. Assistant Professor, 1894.

Harrison, George R., Professor of Military Science and Tactics, 1916.

Hartwell, John Augustus, Ph.B., M.D., Professor of Clinical Surgery, 1909, and Assistant Professor of Surgery, 1911. New York City. Instructor in Physiology, 1898; Assistant Professor, 1901.

Harvey, Lew Ellsworth, B.S., Instructor in Farm Management, 1916. Assistant, 1914.

Haskell, Eugene Elwin, B.C.E., C.E., Dean of the College of Civil Engineering, and Professor of Experimental Hydraulics, 1906.

Haskell, Royal Josylin, B.S.A., Instructor in Plant Pathology, 1913.

Hastings, Thomas Wood, A.B., M.D., Professor of Clinical Pathology, 1907. New York City. Assistant, 1901; Instructor, 1903.

Hatcher, Robert Anthony, Ph.G., M.D., Professor of Pharmacology, 1911; New York City. Instructor in Materia Medica, 1904; Assistant Professor of Pharmacology, 1906; Professor of Pharmacology, and Materia Medica, 1908.

Hausman, Leon Augustus, A.B., Instructor in Meteorology, 1915. Assistant in Geology, 1912.

Hayden, Charles Ernest, A.B., D.V.M., Assistant Professor of Physiology, Veterinary College, 1914. Assistant, 1909; Instructor, 1910.

Hayes, Alfred, A.B., A.M., LL.B., Professor of Law, 1907. (Sabbatic leave.)

Hayes, Herbert Edward, C.E., Instructor in Civil Engineering, 1915.

Hayes, Leslie David, B.S., M.E., Assistant Professor of Machine Design, 1910. Instructor, 1907.

Haynes, Irving Samuel, Ph.B., M.D., D.Sc., Professor of Applied Anatomy and Clinical Surgery, 1911. New York City. Professor of Practical Anatomy, 1898.

Hazard, Blanche Evans, A.B., A.M., M.S., Assistant Professor of Home Economics, 1914.

Hazen, Leslie Eugene, B.S. in Agr., Instructor in Farm Structure, 1915. Instructor in Farm Mechanics, 1913.

Hebel, John William, A.B., A.M., Instructor in English, 1914.

Heimann, Walter J., M.D., Clinical Instructor in Medicine, Department of Dermatology, 1915. New York City. Clinical Instructor in Surgery, Department of Dermatology, 1913.

Heinecke, Arthur John, B.S.A., M.A., Instructor in Pomology, 1914.

Henry, Mary, Instructor in Home Economics, 1915.

Hermannsson, Halldor, Lecturer in German, 1912. Curator of Icelandic Collection in Library, 1906. Instructor in Scandinavian Languages, 1905.

Herrick, Glenn Washington, B.S. in Agr., Professor of Economic Entomology, 1912. (Sabbatic leave, second term.) Assistant Professor, 1909.

- Hesler, Lexemuel Ray, A.B., Assistant Professor of Plant Pathology, 1914.
Instructor, 1912.
- Heuser, Gustave Frederick, B.S., M.S. in Agr., Instructor in Poultry Husbandry.
- Hewett, Waterman Thomas, A.B., Ph.D., Professor of German, Emeritus, 1910.
Assistant Professor of North European Languages, 1870; Professor of the German Language and Literature, 1883; Head of the Department of German, 1902.
- Hill, Roland Hurdon, A.B., Instructor in Biochemistry, 1916.
- Hitchcock, Harry Alton, B.S., Secretary of the University and University Publisher, 1916.
- Hitzrot, James Morley, A.B., M.D., Assistant Professor of Clinical Surgery, 1912.
New York City. Instructor, 1904.
- Hoag, Arthur E., M.D., Instructor in Surgery, 1912. New York City.
- Hoch, August, M.D., Professor of Clinical Medicine, Department of Psychopathology, 1910. New York City. Assistant Professor, 1909.
- Hoguet, J. P., M.D., Instructor in Surgery, 1911. New York City.
- Holladay, Edwin W., M.D., Instructor in Clinical Surgery, Department of Gynecology, 1916.
- Holland, Arthur L., Instructor in Clinical Medicine, Department of Medicine, 1915. New York City.
- Holmes, Margaret D., Instructor in Home Economics, 1916.
- Hook, Warren Howard, M.E., Instructor in Experimental Engineering, 1910.
- Hopkins, Edwin Fraser, B.S., Instructor in Plant Pathology, 1916.
- Hopkins, Grant Sherman, B.S., D.Sc., D.V.M., Professor of Comparative Anatomy and Anatomical Methods, and Head of the Department, 1903.
Assistant, 1889; Instructor, 1890; Assistant Professor, 1896.
- Hopper, Herbert Andrew, B.S.A., M.S., Extension Professor of Animal Husbandry, 1913. Assistant Professor, 1911.
- Hosmer, Ralph Sheldon, B.S.A., M.F., Professor of Forestry, 1914.
- Hotchkiss, Herbert Vinton, C.E., Instructor in Civil Engineering, 1914.
- Hotchkiss, Homer James, A.M., M.M.E., Instructor in Mechanics of Engineering, 1916. Instructor in Physics, 1891-1903.
- Hoy, David Fletcher, B.S., M.S., Registrar, 1895. Assistant Registrar, 1891.
- Hughes, Martin Collins, Instructor in Electrical Engineering, 1916.
- Hugins, Charles Roland, A.B., Instructor in Economics, 1914.
Assistant in Public Speaking, 1909-10; Assistant in Economics, 1912-13.
- Hull, Charles Henry, Ph.B., Ph.D., Goldwin Smith Professor of American History, 1912. Instructor in Political and Social Institutions, 1892; Assistant Professor of Political Economy, 1893; Professor of American History, 1901; Dean of the Faculty of Arts and Sciences, 1908-13.
- Hunn, Anna Elizabeth, B.S., Instructor in Home Economics, 1916.
Assistant in Home Economics, 1912.
- Huntoon, Frank McElroy, M.D., Instructor in Bacteriology, 1909. New York City. Assistant, 1905.
- Hurd, Lewis Merwin, Extension Instructor in Poultry Husbandry, 1914.
Assistant, 1909.
- Hurwitz, Wallie Abraham, Ph.D., Assistant Professor of Mathematics, 1914.
Instructor, 1910.
- Hutchinson, John Irwin, A.B., Ph.D., Professor of Mathematics, 1910.
Instructor, 1894; Assistant Professor, 1903.
- Hutchison, Claude Burton, B.S. in Agr., M.S. in Agr., Professor of Plant Breeding, 1916. (Absent, first term.)
- Jackson, Henry Wirt, M.D., Instructor in Clinical Pathology, 1914. New York City. Assistant, 1913.
- Jacoby, Henry Sylvester, C.E., Professor of Bridge Engineering and Head of the Department, 1897. Assistant Professor, 1890; Associate Professor, 1894.

- Jacoby, John Edward, Instructor in English, 1915.
- Jagger, Ivan Claude, B.S. in Agr., B.S.A., M.S.A., Assistant Professor of Plant Pathology, 1914. Instructor, 1913.
- Johannsen, Oskar Augustus, B.S., A.M., Ph.D., Professor of General Biology, 1915. Instructor in Civil Engineering, 1899; Assistant Professor, 1904-09; Assistant Professor of Biology, 1912; Professor of Entomology, 1914.
- Johnson, Howard Eckler, D.V.M., Instructor in Veterinary Anatomy, 1914.
- Johnston, James Chew, A.B., M.D., Assistant Professor of Clinical Medicine, Department of Dermatology, 1908. New York City. Demonstrator in Pathology, 1898; Instructor, 1899.
- Jones, Horace Leonard, A.B., A.M., Ph.D., Assistant Professor of Greek, 1910.
- Karapetoff, Vladimir, C.E., Professor of Electrical Engineering, 1908. Assistant Professor, 1904.
- Karpas, Morris J., M.D., Clinical Instructor in Medicine, Department of Neurology, 1916.
- Keays, Frederick Love, A.B., M.D., Instructor in Physical Diagnosis, 1902. New York City.
- Kenerson, Albert Scott, B.S., Instructor in Vegetable Gardening, 1915.
- Keniston, Ralph Hayward, A.B., A.M., Ph.D., Assistant Professor of the Romance Languages and Literatures, 1914.
- Kennard, Earle Hesse, B.A., Instructor in Physics, 1916. Assistant, 1912.
- Kennedy, Robert Foster, M.D., F.R.S.E., Assistant Professor of Clinical Medicine, Department of Neurology, 1914. New York City. Instructor, 1910.
- Kent, Olney Brown, B.S., M.S. in Agr., Instructor in Poultry Husbandry, 1913.
- Kenyon, James H., M.D., Instructor in Clinical Surgery, Department of Surgery, 1916.
- Keppler, Carl, M.D., Clinical Instructor in Surgery, Department of Orthopedics, 1915. New York City.
- Kerr, Abram Tucker, B.S., M.D., Professor of Anatomy, 1904, and Secretary of the Ithaca Division of the Medical College, 1902. (Sabbatic leave, second term.) Assistant Professor, 1900.
- Keyes, Edward Loughboro, jr., A.B., Ph.D., M.D., Professor of Clinical Surgery, Department of Urology, 1910. New York City. Assistant, 1898; Instructor, 1899.
- Kimball, Dexter Simpson, A.B., M.E., Professor of Machine Design and Industrial Engineering, and Head of the Department, 1915. Assistant Professor, 1898-1901; Acting Director of Sibley College, second term, 1911-12; Professor of Machine Design and Construction, 1904.
- King, Asa Carlton, B.S.A., Professor of Farm Practice, 1915. Extension School Instructor, 1911.
- King, Edward Riley, B.S., Assistant Professor of Entomology, 1915.
- Kingery, Hugh McMillan, B.A., M.A., Instructor in Histology and Embryology, 1914. Assistant, 1912.
- Kingsbury, Benjamin Freeman, A.B., M.S., Ph.D., M.D., Professor of Histology and Embryology, 1908. Instructor, 1896; Assistant Professor, 1899; Assistant Professor of Physiology, Medical College, 1902.
- Kirkpatrick, Ellis Lore, B.S.A., Instructor in Vegetable Gardening, 1915.
- Klinck, Fred Edgar, M.E., Instructor in Experimental Engineering, 1910.
- Knight, Frank Hyneman, Ph.B., B.S., M.A., Ph.D., Instructor in Economics, 1916. Assistant, 1914.
- Knight, Harry Hazleton, B.S., Instructor in Entomology, 1916.
- Knoettge, Carl H., Instructor in Civil Engineering, 1914.
- Knox, Carlos Child, Instructor in Experimental Engineering, 1916.
- Knudson, Lewis, B.S.A., Ph.D., Professor of Botany, 1916. Assistant in Plant Physiology, 1908; Instructor, 1908; Assistant Professor, 1911.

- Kochenderfer, Clarence Cameron, A.B., A.M., Instructor in Economics, 1915.
- Koenig, Frederick F., D.V.M., Assistant Professor of Veterinary Medicine, 1914.
Assistant, 1909; Instructor, 1910.
- Krum, Walter Gernet, Instructor in Poultry Husbandry, 1916. Assistant, 1912.
- Lambert, Alexander, A.B., Ph.B., M.D., Professor of Clinical Medicine, Department of Medicine, 1898. New York City.
- Lappin, Henry A., A.B., Instructor in English, 1915.
- Latshaw, Joseph Bruce, B.S.A., D.V.M., Instructor in Veterinary Medicine, 1916.
Assistant, 1915.
- Lauman, George Nieman, B.S.A., Professor of Rural Economy, 1909.
Assistant in Horticulture, 1897; Instructor, 1899; Instructor in Rural Economy, 1903; Assistant Professor, 1905.
- Law, James, F.R.C.V.S., Professor of the Principles and Practice of Veterinary Medicine, Emeritus, 1908.
Professor of Veterinary Medicine and Surgery, 1868; Professor of the Principles and Practice of Veterinary Medicine, Veterinary Science, and Veterinary Therapeutics, 1896; Director of New York State Veterinary College and Dean of Faculty of Veterinary Medicine, 1896.
- Lawrence, Leonard Alexander, B.S., Assistant Professor of Surveying, 1916.
Instructor in Civil Engineering, 1907.
- Lee, Burton James, A.B., Ph.B., M.D., Assistant Professor of Clinical Surgery, 1916, New York City.
Assistant Demonstrator, 1903; Demonstrator, 1904; Instructor in Clinical Surgery, 1909, and in Surgical Pathology, 1913.
- Lee, Myron, A. M. E., M.M.E., Assistant Professor in Machine Design, 1916.
Instructor, 1910.
- Leland, Ora Miner, B.S. (C.E.), Professor of Astronomy and Geodesy, 1916; Head of the Department of Surveying. Instructor in Civil Engineering, 1903; Assistant Professor, 1906.
- L'Esperance, Elise S., M.D., Instructor in Pathology, 1911. New York City.
Assistant, 1910.
- Livermore, Kenneth Carter, B.S. in Agr., Professor of Farm Management, 1913.
Instructor in Farm Crops, 1909; Instructor and Investigator, 1910; Assistant Professor of Farm Management, 1911.
- Lloyd, John Thomas, A.B., Instructor in Limnology, 1913. Assistant in Biology, 1909; Assistant in Limnology, 1912.
- Long, Tudor Seymour, A.B., Instructor in English, 1916.
- Loon, Hendrik, Willem van, A.B., Ph.D., Lecturer in Modern European History, 1915.
- Love, Harry Houser, B.S., M.A., Ph.D., Professor of Plant Breeding Investigations, 1912. Assistant, 1908; Assistant Professor of Plant Breeding in the Federal Experiment Station, 1909.
- Lumsden, David, Assistant Professor of Floriculture, 1914.
- Lundell, Gustav Ernst Fredrick, A.B., Ph.D., Assistant Professor of Chemistry, 1913. Assistant, 1906; Instructor, 1907.
- Lunt, William Edward, Ph.D., Professor of English History, 1915.
Professor of Modern European History, 1912.
- Lusk, Graham, Ph.D., Sc.D., F.R.S. (Edin.), Professor of Physiology, 1909. New York City.
- Lyon, Thomas Lyttleton, B.S. in Agr., Ph.D., Professor of Soil Technology in the Federal Experiment Station, 1906.
- McAnlis, Chauncy Ruthven, B.S. in C.E., C.E., Instructor in Civil Engineering, 1915.
- McAuliffe, George Birmingham, A.B., M.D., Clinical Instructor in Surgery, Department of Otology, 1904. New York City.
- McCaskill, Oliver Leroy, Ph.B., Professor of Procedure, 1916.
- McClain, Carl Arthur, B.S., C.E., M.C.E., Instructor in Civil Engineering, 1916.

- McCurdy, John Clarence, B.S., C.E., Assistant Professor in Rural Engineering, 1916. Instructor in Civil Engineering, 1907; Instructor in Rural Engineering, 1915.
- McCurdy, John T., M.D., Clinical Instructor in Medicine, Department of Psychopathology, 1913. New York City.
- McDaniels, Lawrence Howland, A.B., Instructor in Botany, 1914. Assistant, 1912.
- McDermott, George Robert, Professor of Structural Design, 1909. Assistant Professor of Naval Architecture, 1892; Professor, 1905.
- McInerney, Thomas Joseph, B.S. in Agr., M.S. in Agr., Instructor and Investigator in Dairy Industry, 1912. Assistant, 1910.
- McKelvey, Joseph Vance, A.B., A.M., Ph.D., Instructor in Mathematics, 1909.
- MacKenzie, David W., M.D., Clinical Instructor in Surgery, Department of Urology, 1910. New York City. Assistant, 1909.
- McMahon, James, A.B., A.M., Professor of Mathematics, 1904. Instructor, 1884; Assistant Professor, 1890.
- McVetty, Percy George, M.E., Instructor in Engineering Research, 1914. Instructor in Mechanical Laboratory, 1913.
- Mahood, Samuel Arthur, B.Sc., M.A., Instructor in Chemistry, 1913. Assistant, 1912.
- Mallory, William Garfield, A.B., A.M., Instructor in Physics, 1914. Assistant, 1910-11.
- Malone, Kemp, A.B., Instructor in German, 1916.
- Mann, Albert Russell, B.S.A., A.M., Professor of Rural Social Organization, 1915. Acting Dean of the College of Agriculture and Acting Director of the Experiment Station, 1916. Assistant Professor of Dairy Industry, 1908; Assistant to Director and Editor, 1908; Secretary to the College of Agriculture, 1909; Secretary, Registrar, and Professor of Agricultural Editing, 1910.
- Martin, Clarence Augustine, Professor of Architecture, 1904, and Dean of the College of Architecture, 1908. Instructor, 1894; Assistant Professor, 1895.
- Mason, James Frederick, A.B., Ph.D., Professor of the Romance Languages, 1914. Instructor, 1909; Assistant Professor, 1912.
- Massey, Louis Melville, A.B., Instructor in Plant Pathology, 1914.
- Matheson, Robert, B.S.A., M.S. in Agr., Ph.D., Assistant Professor of Economic Entomology, 1915. Assistant in Entomology, 1909; Assistant in Biology, 1910; Instructor, 1911; Assistant Professor, 1912; Investigator in Entomology, 1913; Assistant Professor of Entomology, 1914.
- Matthews, Robertson, M.E., Assistant Professor of Power Engineering, 1913. Instructor in Machine Design, 1907; Instructor in Power Engineering, 1908.
- Matzke, Edith H., M.D., Acting Adviser of Women, 1916.
- Mauxion, Georges, A.D.G., Professor of Design in the College of Architecture, 1911. (Absent.)
- Maynard, Leonard Amby, A.B., Ph.D., Assistant Professor of Animal Husbandry, 1915.
- Meade, De Voe, B.S., Instructor in Animal Husbandry, 1915.
- Meara, Frank Sherman, A.B., Ph.D., M.D., Professor of Therapeutics, 1909. New York City.
- Meeks, Everett V., A.B., A.D.G., Acting Professor of Design in the College of Architecture, and Head of the Department, 1915.
- Merritt, Ernest George, M.E., Professor of Physics, 1903. Instructor, 1889; Assistant Professor, 1892; Dean of the Graduate School, 1909-14.
- Meulen, Peter Andrew van der, B. Chem., Acting Assistant Professor in Mineralogy and Petrography, 1916. Assistant in Chemistry, 1912; Instructor in Mineralogy and Petrography, 1914.
- Meyler, Robert Gephard, M.E., Instructor in Machine Design, 1916.

- Midjo, Christian, Assistant Professor of Freehand Drawing in the College of Architecture, 1912. Instructor, 1909.
- Milks, Howard Jay, D.V.M., Professor of Materia Medica and Head of the Department; Director of the Small Animal Clinic (Veterinary), 1914.
Assistant in Physiology, 1903-05; Assistant Professor of Materia Medica and Therapeutics, 1909; Professor of Therapeutics and Clinical Medicine and of Surgery of Small Animals, 1913.
- Mills, Adelbert Philo, B.S., M.S., Assistant Professor of Materials in the College of Civil Engineering, and Head of the Department, 1910.
Acting Assistant Professor, 1909.
- Minns, Lua Alice, B.S., Instructor in Floriculture, 1914. Assistant, 1912.
- Misner, Edward Gardner, B.S., Instructor in Farm Management, 1914.
- Moler, George Sylvanus, A.B., B.M.E., Professor of Physics, 1911.
Instructor, 1875; Assistant Professor, 1880.
- Monroe, Benton Sullivan, A.B., A.M., Ph.D., Assistant Professor of English, 1912.
Assistant, 1897; Instructor, 1900.
- Montgomery, Edward Gerrard, M.A., Professor of Farm Crops, 1911.
- Montillon, Eugene Davis, B.Arch., Instructor in Landscape Art, 1912.
Assistant, 1911.
- Moore, Albertus Adair, M.D., Instructor in Obstetrics, Department of Obstetrics, 1902. New York City.
- Moore, Veranus Alva, B.S., M.D., V.M.D., Dean of the New York State Veterinary College, 1908, and Professor of Comparative Pathology, Bacteriology, and Head of the Department; and Meat Inspection, 1896.
- Mordoff, William Emerson, M.E., Instructor in Machine Design, 1916.
Instructor in Rural Engineering, 1915.
- Morrill, Charles V., Instructor in Anatomy, 1915. New York City.
- Morris, Edgar Stanley, A.B., Secretary of the College of Arts and Sciences, 1916.
Assistant in Modern European History, 1912.
- Moseley, Ralph Sylvanus, Instructor in Poultry Husbandry, 1914. Assistant, 1913.
- Muchmore, Guy Brooks, A.B., Assistant Professor of Public Speaking, 1913.
- Muldoon, William Edward, D.V.M., Instructor in Materia Medica (Veterinary), 1913.
- Murdock, Carleton Chase, B.S., Instructor in Physics, 1914. Instructor, 1909-13.
- Murlin, John Raymond, A.M., Ph.D., Assistant Professor of Physiology, 1909.
New York City.
- Myers, Clyde Hadley, B.S., M.S., Ph.D., Professor of Plant Breeding, 1914.
Extension Instructor, 1911; Assistant Professor, 1912.
- Myers, Glenn E., M.D., Clinical Instructor in Medicine, Department of Psychopathology, 1912. New York City.
- Myers, William Irving, B.S., Instructor in Farm Management, 1916.
Assistant, 1914.
- Nammack, Charles Edward, Ph.B., M.D., LL.D., Professor of Clinical Medicine, Department of Medicine, 1898. New York City.
- Nammack, Charles Halpin, M.D., Clinical Instructor in Medicine, Department of Medicine, 1916. New York City.
- Needham, James George, B.S., M.S., Ph.D., Professor of Entomology and Limnology, 1911. Head of Department of Entomology, 1914.
Assistant Professor, 1906.
- Nichols, Edward Leamington, B.S., Ph.D., LL.D., Professor of Physics, 1887.
Dean of the College of Arts and Sciences, 1913-15. (Sabbatic leave, first term.)
- Niles, Walter Lindsay, M.D., Assistant Professor of Clinical Medicine, 1912.
New York City. Instructor, 1904.
- Noble, Charles Vernon, B.S., Instructor in Farm Management, 1916.

- Northup, Clark Sutherland, A.B., Ph.D., Assistant Professor of English, 1903; Librarian of the Hart Memorial Library, 1914. Assistant, 1895; Instructor, 1897.
- Oberndorf, Clarence P., Clinical Instructor in Medicine, Department of Neurology 1915. New York City.
- Ogden, Henry Neely, C.E., Professor of Sanitary Engineering and Head of the Department, 1908. Instructor in Civil Engineering, 1889-92; Assistant Professor, 1898; Assistant Professor of Sanitary Engineering, 1903.
- Ogden, Robert Morris, B.S., Ph.D., Professor of Education, 1916.
- Orndorff, William Ridgley, A.B., Ph.D., Professor of Organic and Physiological Chemistry, 1903. (Sabbatic leave, second term.) Instructor, 1887; Assistant Professor, 1890.
- Orth, Samuel Peter, B.S., Ph.D., Professor of Political Science, 1913. Acting Professor, 1912.
- Osterberg, Emil, Instructor in Chemistry, 1911. New York City. Assistant, 1906.
- Overholser, Earl Long, M.S.A., Instructor in Pomology, 1914.
- Owens, Frederick William, Ph.D., Assistant Professor of Mathematics, 1915. Instructor, 1907.
- Page, E. Richard, B.S., Instructor in Electrical Engineering, 1914.
- Paine, Ernest Trowbridge, A.M., Instructor in Philosophy, 1916. Secretary of the College of Arts and Sciences, 1913.
- Pardee, Harold E., M.D., Instructor in Medicine, 1916. New York City.
- Parker, McRea, M.E., Instructor in Machine Design, 1915.
- Parmley, Harry Mark, M.E., Instructor in Machine Design, 1916. Instructor in Power Engineering, 1909.
- Parson, John Thomas, Assistant Professor of Drawing in the College of Civil Engineering, and Head of the Department, 1908. Instructor in Civil Engineering, 1895; Assistant Professor, 1903.
- Pearson, Henry, M.D., Clinical Instructor in Anaesthesia, Department of Surgery, 1909. New York City.
- Peck, Gilbert Warren, B.S., Extension Instructor in Pomology, 1915. Instructor, 1913-14.
- Peirce, Clarence Andrew, A.B., M.E., Assistant Professor of Machine Design, 1916. Instructor in Machine Design, 1911; Instructor in Power Engineering, 1913.
- Perkins, Harold Charles, Instructor in Mechanics of Engineering, 1916.
- Perry, John E., Instructor in Railroad Engineering, 1915.
- Pertsch, John George, jr., M.E., Assistant Professor of Electrical Engineering, 1916. Assistant, 1909; Instructor, 1910.
- Phelps, Albert Charles, B.S., M.Arch., Professor of Architecture, and Head of the Department of Architectural History, 1913. Instructor, 1899; Assistant Professor, 1903.
- Phillips, Harold Deane, A.B., B.S. in Agr., Instructor in Rural Economy, 1914.
- Pickens, Earl Max, D.V.S., Assistant Professor of Diagnosis (Veterinary), 1914. Assistant, 1911; Instructor, 1912.
- Pidgeon, Howard A., B.S., M.S., Instructor in Physics, 1914. Assistant, 1913.
- Polk, William Mecklenburg, M.D., LL.D., Professor of Clinical Surgery, Department of Gynecology, 1898; Dean of the Medical College, 1898. New York City.
- Pond, Miles Albion, Ph.B., Assistant Professor of Civil Engineering and Head of the Department of Descriptive Geometry, 1907. Instructor, 1902.
- Pope, Paul Russel, A.B., Ph.D., Professor of German, 1915. Instructor, 1902; Assistant Professor, 1906.
- Prescott, Frederick Clark, A.B., Assistant Professor of English, 1903. Assistant Professor of Rhetoric, 1897.
- Pumpelly, Laurence, A.B., Ph.D., Assistant Professor of the Romance Languages and Literatures, 1914. Assistant in Chemistry, 1908-09; Instructor in the Romance Languages and Literatures, 1910.

- Putnam, Arthur James, A.B., Instructor in Romance Languages, 1916.
- Putnam, Joseph Franklin, M.E., Assistant Professor of Electrical Engineering, 1916. Instructor, 1910-12.
- Quarles, James F., Assistant Professor of Music, 1916.
- Rankin, William Howard, A.B., Ph.D., Assistant Professor of Plant Pathology, 1914. Instructor, 1912.
- Ranum, Arthur, A.B., Ph.D., Assistant Professor of Mathematics, 1910. Instructor, 1906.
- Recknagel, Arthur Bernhard, B.A., M.F., Professor of Forestry, 1913.
- Reddick, Donald, A.B., Ph.D., Professor of Plant Pathology, 1911.
(Sabbatic leave, first term.) Assistant in Botany, 1905; Assistant in Plant Physiology, 1907; Instructor, 1908; Assistant Professor of Plant Pathology, 1909.
- Reed, Harold Lyle, A.B., Ph.D., Assistant Professor of Economics, 1916. Instructor, 1914-15.
- Reed, Hugh Daniel, B.S., Ph.D., Assistant Professor of Zoology, 1915. Assistant, 1900; Instructor, 1902; Assistant Professor of Neurology and Vertebrate Zoology, 1906.
- Rees, Ralph W., A.B., B.S., Professor of Pomology, 1916.
- Reese, Robert Grigg, Ph.G., M.D., Professor of Clinical Surgery, Department of Ophthalmology, 1911. New York City. Clinical Assistant, 1898; Instructor, 1899.
- Rettger, Ernest William, A.B., Ph.D., Assistant Professor of Applied Mechanics, 1908. Instructor in Civil Engineering, 1907.
- Reyna, Juan Estevan, E.E., Instructor in Agricultural Drawing, 1912.
- Rhodes, Fred Hoffmann, A.B., Ph.D., Instructor in Chemistry, 1915. Assistant, 1910-14.
- Rice, Frank Elmore, A.B., Ph.D., Assistant Professor of Agricultural Chemistry, 1916. Assistant, 1909; Instructor, 1912.
- Rice, James Edward, B.S. in Agr., Professor of Poultry Husbandry, 1907. Assistant, 1892-93; Assistant Professor, 1903.
- Richards, John Harold, M.D., Instructor in Clinical Pathology and Medicine, 1911. New York City. Assistant, 1907.
- Richtmyer, Floyd Karker, A.B., Ph.D., Assistant Professor of Physics, 1911. Assistant, 1903-04; Instructor, 1906.
- Ries, Heinrich, Ph.B., A.M., Ph.D., Professor of Geology, 1906; Head of the Department of Geology, 1914. Instructor, 1898; Assistant Professor, 1902.
- Riley, Howard Wait, M.E., Professor of Rural Engineering, 1912. Instructor in Experimental Engineering, 1906; Instructor in Farm Mechanics, 1907; Assistant Professor, 1909.
- Riley, William Albert, B.S., Ph.D., Professor of Insect Morphology and Parasitology, 1912. Assistant, 1899; Instructor, 1901; Assistant Professor, 1906.
- Robb, Byron Burnett, B.S. in Agr., M.S. in Agr., Assistant Professor of Rural Engineering, 1913. Assistant in Farm Mechanics, 1910; Instructor, 1911.
- Robbins, William Jacob, A.B., Ph.D., Instructor in Botany, 1913. Assistant in Plant Physiology, 1912.
- Roberts, Isaac Phillips, M.Agr., Professor of Agriculture, Emeritus, 1903. Assistant Professor of Agriculture, 1873; Professor of Agriculture, 1874; Director of Agricultural Experiment Station, 1888; Director of College of Agriculture, 1890; Dean of Faculty of Agriculture, 1896; Lecturer in Agriculture, 1903-06.
- Robinson, Montgomery, Litt.B., B.S., Assistant Professor of Extension Teaching, 1916. Assistant, 1913; Instructor, 1914.
- Rodgers, Ralph Chapman, M.E., A.M., Instructor in Physics, 1907. Assistant, 1905.
- Rogers, Fred Stillman, M.E., Instructor in Machine Design, 1914.
- Rogers, John, A.B., Ph.D., M.D., Professor of Clinical Surgery, Department of Surgery, 1909. New York City. Instructor, 1898.

- Roper, Joseph Charles, M.D., Clinical Instructor in Medicine, Department of Pediatrics, 1911. New York City. Assistant Instructor in Histology, 1901-06.
- Rose, Flora, B.S., M.A., Professor of Home Economics, 1911. Lecturer, 1907.
- Ross, Harold Ellis, B.S.A., M.S. in Agr., Professor of Dairy Industry, 1912. Assistant, 1906; Instructor, 1907; Assistant Professor, 1909.
- Rowlee, Willard Winfield, B.L., D.Sc., Professor of Botany in the College of Arts and Sciences, 1906. Instructor, 1889; Assistant Professor, 1893.
- Royce, Charles Howard, B.S., in Agr., M.S. in Agr., Assistant Professor (Extension) of Animal Husbandry, 1916.
- Saby, Rasmus S., Ph.D., Assistant Professor of Political Science, 1912. Assistant, 1909; Instructor in Economics, 1910.
- Sampson, Martin Wright, B.A., M.A., Goldwin Smith Professor of English Literature, 1912, and Head of the Department of English, 1909. Acting Professor, 1908; Professor, 1909.
- Samuels, Bernard, M.D., Clinical Instructor in Surgery, 1915. New York City.
- Santee, Harold Elmore, A.B., M.D., Instructor in Operative Surgery and Obstetrics, Department of Obstetrics, 1914. Assistant, 1913.
- Savage, Elmer Seth, B.S. in Agr., M.S. in Agr., Ph.D., Professor of Animal Husbandry, 1913. Assistant, 1907; Instructor, 1908; Assistant Professor, 1910.
- Sawdon, Will Miller, B.S. in M.E., M.M.E., Assistant Professor of Mechanical Engineering, 1908. (Sabbatic leave first term.) Instructor, 1904.
- Schelleng, John Christopher, A.B., Instructor in Physics, 1915. Assistant, 1915.
- Schmidt, Nathaniel, A.B., A.M., Professor of Semitic Languages and Literatures, 1896.
- Schneck, Henry William, B.S.A., M.S.A., Instructor in Vegetable Gardening, 1913.
- Schoder, Ernest William, B.S., Ph.D., Assistant Professor of Experimental Hydraulics and Head of the Department, 1905. Engineer in charge of the Hydraulic Laboratory, 1904.
- Schramm, Jacob R., Ph.D., Assistant Professor of Botany in the New York State College of Agriculture, 1915.
- Schultze, Otto Henry, A.B., M.D., Assistant Professor of Pathological Anatomy, 1908, and Professor of Medico-Legal Pathology, 1912. New York City. Instructor, 1898; Lecturer, 1904.
- Schwartz, Hans J rgen, M.D., Instructor in Clinical Pathology, 1911, and Clinical Instructor in Surgery, Department of Dermatology, 1906. New York City. Assistant, 1903.
- Scoville, Gad Parker, B.S. in Agr., Assistant Professor of Farm Management, 1914.
- Seery, Francis Joseph, Bach. Mech. Sci., Assistant Professor of Civil Engineering, 1907. Instructor, 1905.
- Seulke, Karl John, B.S.A., M.S.A., Instructor in Animal Husbandry, 1914.
- Shadle, Albert Ray, B.A., M.A., Instructor in Zoology, 1916.
- Shaffer, Newton Melman, M.D., Professor of Clinical Surgery, Department of Orthopedics, Emeritus, 1912, and of Orthopedic Surgery, Emeritus, 1913. Professor of Orthopedic Surgery, 1898; Professor of Orthopedics, 1900; Professor of Clinical Surgery, Department of Orthopedics, 1906-11.
- Shannon, William, A.B., M.D., Clinical Instructor in Medicine, Department of Pediatrics, 1899. New York City.
- Shaper, Bernard William, B.S., Instructor in Extension Teaching, 1915. Assistant in Physical Culture, 1912; Assistant in Extension Teaching, 1914.
- Sharp, Lester Wayland, B.S., Ph.D., Assistant Professor of Botany in the College of Agriculture, 1916. Instructor, 1916.
- Sharpe, Francis Robert, B.A., Ph.D., Assistant Professor of Mathematics, 1910. Assistant, 1905; Instructor, 1906.

- Shearer, John Sandford, B.S., Ph.D., Professor of Physics, 1909.
Assistant, 1893; Instructor, 1894; Assistant Professor, 1903.
- Sheldon, William Hills, M.D., Assistant Professor of Clinical Medicine, 1916.
New York City. Assistant, 1910; Instructor, 1911.
- Sherwood, Fleming Bates, B.S., M.S., Instructor in Soil Technology, 1916.
Assistant, 1915.
- Sicard, Montgomery Hunt, B.S., M.D., Instructor in Physical Diagnosis, 1901,
and in Therapeutics, 1910. New York City.
- Sill, Henry Augustus, A.B., A.M., Ph.D., Professor of Ancient History, 1909.
Assistant Professor, 1902.
- Silverman, Louis Lazarus, A.B., A.M., Ph.D., Instructor in Mathematics, 1909.
- Simpson, Sutherland, D.Sc., M.D., F.R.S.E., Professor of Physiology, 1908.
- Smith, Albert William, B.M.E., M.M.E., Professor of Power Engineering, and
Head of the Department; and Dean of Sibley College, 1904.
Assistant Professor, 1887-91.
- Smith, Frederick Miller, A.B., Instructor in English, 1910. (Absent.)
- Smith, Harmon, A.B., M.D., Professor of Clinical Surgery, Department of
Laryngology and Rhinology, 1913.
- Smith, Homer W., Instructor in Public Speaking, 1916.
- Smith, Theodore Levi, C.E., Instructor in Civil Engineering, 1916.
Assistant in Astronomy, 1915.
- Snyder, Virgil, B.S., A.M., Ph.D., Professor of Mathematics, 1910.
Instructor, 1895; Assistant Professor, 1903.
- Somers, Ransom Evarts, A.B., A.M., Ph.D., Assistant Professor of Economic
Geology, 1916. Instructor, 1912.
- Soule, William L., M.D., Clinical Instructor in Anaesthesia, Department of
Surgery, 1916. New York City.
- Spaulding, Harry Van Ness, M.D., Instructor in Operative Surgery, 1914. New
York City.
- Spring, Samuel Newton, A.B., M.F., Professor of Forestry, 1912.
- Stagg, Charles Tracey, L.L.B., Professor of Law, and Secretary of the College, 1914.
Instructor, 1908; Assistant Professor of Law, 1909.
- Stevens, Alexander Chilson, M.E., Instructor in Electrical Engineering, 1911.
- Stevens, Shepherd, A.B., A.D.G., Assistant Professor of Architecture, 1915.
- Stewart, Ralph Berry, Instructor in Electrical Engineering, 1916.
- Stewart, Vern Bonham, B.A., Ph.D., Assistant Professor of Plant Pathology,
1913. Investigator, 1912.
- Stillman, Ralph G., M.D., Instructor in Clinical Medicine, 1912. New York City.
- Stimson, Lewis Atterbury, A.B., M.D., LL.D., Professor of Surgery, 1898. New
York City.
- Stockard, Charles Rupert, B.S., M.S., Ph.D., Professor of Anatomy, 1911.
New York City. Assistant in Embryology and Histology, 1906; Instructor in Com-
parative Morphology, 1908; Assistant Professor, 1909.
- Stocking, William Alonzo, jr., B.Agr., B.S.A., M.S. in Agr., Professor of Dairy
Industry, 1909.
Assistant Professor, 1906; Acting Director of the College of Agriculture, 1913-14.
- Stone, John Lemuel, B.Agr., Professor of Farm Practice, 1907. Assistant, 1897;
Assistant Professor, 1903.
- Strachstein, Abraham, M.D., Clinical Instructor in Surgery, Department of
Urology, 1916. New York City.
- Strahan, James Lewis, B.S. in Agr., M.S. in Agr., Instructor in Rural Engineer-
ing, 1913. Assistant in Military Science and Tactics, 1911-12; Assistant in Farm
Mechanics, 1912.
- Strauss, Israel, A.B., M.D., Assistant Professor of Neuro-Anatomy, 1912. New
York City. Assistant, 1902; Instructor, 1903.

- Strunk, William, jr., A.B., Ph.D., Professor of English, 1909. Instructor, 1891; Assistant Professor, 1899.
- Stryke, Anna Clegg, A.B., Instructor in Entomology, 1912.
- Sturgis, Cony, A.B., Instructor in the Romance Languages, 1915. Instructor, 1908-10.
- Sumner, James Batcheller, Ph.D., Assistant Professor of Biochemistry in the Department of Physiology, 1914.
- Sunderville, Earl, D.V.M., Assistant Professor of Veterinary Anatomy, 1913. Assistant, 1908; Instructor, 1909.
- Supplee, George Cornell, B.S., M.S. in Agr., Instructor in Dairy Industry, 1914. Assistant, 1912.
- Switzer, Frederick George, M.E., Instructor in Hydraulics, 1916.
- Tailby, George Walter, jr., B.S.A., Instructor and Superintendent of Live Stock, 1907.
- Tanner, John Henry, B.S., Ph.D., Professor of Mathematics, 1904. Instructor, 1892; Assistant Professor, 1894.
- Tappan, Frank Girard, A.B., M.E., M.A., Instructor in Electrical Engineering, 1907.
- Taylor, Alfred S., M.D., Professor of Operative Surgery, 1914. New York City. Lecturer on the Peripheral Nervous System, 1910; Lecturer on Surgery, 1911; Assistant Professor of Operative Surgery, 1913.
- Taylor, Elbert Aldrich, Instructor in Machine Design, 1916.
- Thatcher, Charles Garrett, A.B., Instructor in Machine Design, 1915. Instructor in Experimental Engineering, 1914.
- Thayer, Clark Leonard, B.Sc., Instructor in Floriculture, 1915. Assistant, 1914.
- Thilly, Frank, A.B., Ph.D., LL.D., Professor of Philosophy, 1906; and Dean of the College of Arts and Sciences, 1915. Instructor, 1892-93.
- Thomas, Cecil Calvert, A.B., A.M., Instructor in Botany in the College of Agriculture, 1913.
- Thomas, Charles Edwin, M.E., Instructor in Experimental Engineering, 1914.
- Thompson, Arthur Lee, M.S. in Agr., Ph.D., Assistant Professor of Farm Management, 1914. Assistant in Dairy Industry, 1910; Instructor in Farm Management, 1911.
- Thompson, Charles Fullington, Captain of 16th Infantry, U. S. A., Professor of Military Science and Tactics, 1915.
- Thompson, William Gilman, Ph.B., M.D., Professor of Medicine; Emeritus.
- Thro, William Crooks, B.S.A., A.M., M.D., Assistant Professor of Clinical Pathology, 1910. New York City. Assistant, 1901; Instructor, 1902-05; 1910.
- Tilley, Norman Nevil, M.E., Instructor in Experimental Engineering, 1915.
- Titchener, Edward Bradford, A.B., A.M., Ph.D., LL.D., D.Sc., Litt.D., Sage Professor of Psychology in the Graduate School, 1910; Lecturer in Psychology and Head of the Department, 1912. Assistant Professor, 1892; Professor, 1895.
- Titsworth, Bertha E., A.B., B.S., Instructor in Home Economics, 1913.
- Tjomsland, Anna, A.B., M.D., Clinical Instructor in Anaesthesia, 1916. New York City. Assistant in Extension Teaching in College of Agriculture, 1909-10.
- Torrey, John Cutler, A.B., Ph.D., Professor of Hygiene, 1915. New York City. Assistant Instructor, 1903; Instructor, 1909; Assistant Professor of Experimental Pathology, 1910, and Lecturer in Hygiene, 1909.
- Townsend, Clarence Ellsworth, M.E., Instructor in Machine Design, 1910.
- Trevor, Joseph Ellis, Ph.D., Professor of Thermodynamics, 1908. Assistant Professor of Chemistry, 1892; Assistant Professor of General and Physical Chemistry, 1894; Professor, 1900; Professor of Physical Chemistry, 1903.
- Troy, Hugh Charles, B.S. in Agr., Professor of Dairy Industry, 1912. Assistant, 1897.
- Tuck, Charles Henry, A.B., Professor of Extension Teaching, 1910. (Sabbatic leave, first term.) Assistant in Oratory, 1905; Supervisor Farmer's Reading Course, 1906; Assistant Professor of Extension Teaching, 1907.

- Turner, Kenneth Bertrand, C.E., M.C.E., Assistant Professor of Hydraulics, 1908.
Instructor Civil Engineering, 1906..
- Turnure, Percy R., M.D., Assistant Professor of Clinical Surgery, Department of Surgery, 1916. New York City.
- Tuttle, Edward Mowbray, B.S. in Agr., A.B., Assistant Professor of Rural Education, 1914. Assistant, 1911; Instructor, 1912.
- Tyler, Charles Mellen, A.B., A.M., D.D., Professor of the History and Philosophy of Religion and of Christian Ethics, Emeritus, 1906. Professor, 1891; Lecturer, 1903-96.
- Tyrrell, William David, M.D., Clinical Instructor in Medicine, Department of Pediatrics, 1908. New York City.
- Udall, Denny Hammond, B.S.A., D.V.M., Professor of Veterinary Medicine and Head of the Department; Director of Ambulatory Clinic, 1910.
Demonstrator, 1900-1; Acting Professor, 1908.
- Underwood, Paul Halladay, C.E., Assistant Professor of Topographic and Geodetic Engineering, 1912. Instructor in Civil Engineering, 1907.
- Upton, George Burr, M.E., M.M.E., Assistant Professor of Experimental Engineering, 1910. Instructor, 1905.
- Urband, Edward Milton, B.Arch., M.Arch., Instructor in Architecture, 1915.
- Urquhart, Leonard Church, C.E., Instructor in Civil Engineering, 1911.
- Usher, Abbott Payson, A.B., A.M., Ph.D., Assistant Professor of Economics, 1914. Instructor, 1910.
- Vance, Benjamin, Instructor in Pathology and Pathologist to the Second Division, Bellevue Hospital, 1915. New York City.
- Vandegrift, George W., A.M., M.D., Clinical Instructor in Surgery, Department of Ophthalmology, 1911. New York City.
- Van Rensselaer, Martha, A.B., Professor of Home Economics, 1911.
Supervisor of Farmer's Wives' Reading Course, 1903; Lecturer, 1907.
- Vinton, Frances Eliza, A.B., Instructor in Home Economics, 1915.
- Volz, Emil Conrad, B.S., Instructor in Floriculture, 1915.
- Walker, Charles Leopold, C.E., Assistant Professor of Sanitary Engineering, 1912.
(Sabbatic leave, first term.) Instructor in Civil Engineering, 1905; Assistant Professor of Applied Mechanics, 1908.
- Wallace, Charleton, M.D., Professor of Clinical Surgery, Department of Orthopedic Surgery, 1914. New York City. Assistant Professor, 1913.
- Wann, Frank B., Instructor in Botany, 1915.
- Ward, George Gray, jr., M.D., Assistant Professor of Clinical Surgery, Department of Gynecology, 1916. Instructor, 1898.
- Warner, Annette J., Assistant Professor of Design in the Department of Home Economics, 1913.
- Warren, George Frederick, jr., B.Sc., B.S.A., M.S.A., Ph.D., Professor of Farm Management, 1909. Assistant Professor of Agronomy, 1906.
- Warsaw, Wesley Worth, B.S. in A.E., Assistant Professor (Extension) of Soil Technology, 1916. Instructor, 1914.
- Waters, Harry Hill, M.E., Instructor in Machine Design, 1913. Assistant, 1912.
- Weeks, Paul Thorne, A.B., Instructor in Physics, 1914. Assistant, 1913.
- Weil, Richard, A.B., A.M., M.D., Assistant Professor of Experimental Medicine 1911. New York City. Demonstrator, 1904; Assistant, 1908; Instructor, 1909.
- Weld, Harry Porter, Ph.B., Ph.D., Assistant Professor of Psychology, 1912.
- Wells, Albert Edward, Professor of Machine Construction, 1916, and Head of, the Department, 1912. Foreman of Machine Shop, 1904; Superintendent of Shops, 1905; Assistant Professor, 1912.
- Welsh, Thomas Whitney Benson, A.B., Ph.D., Instructor in Chemistry, 1909.
Assistant, 1907.

- Wheeler, Ralph Hicks, B.S., Assistant Professor of Extension Teaching, 1912.
Assistant, 1909; Instructor, 1910; Assistant, 1911.
- Whetzel, Herbert Hice, A.B., A.M., Professor of Plant Pathology, 1909.
Assistant, 1903; Assistant Professor, 1906.
- Whitbeck, Brainerd H., M.D., Clinical Instructor in Orthopedic Surgery, Department of Orthopedic Surgery, 1911. New York City.
- White, Andrew Curtis, A.B., Ph.D., Reader in Greek, 1903, and Assistant Librarian, 1889. Instructor in Latin, 1885-86; Instructor in Greek and Latin, 1886-88; Instructor in Latin, 1888-89; Instructor in Greek, 1898-99; Reader in Greek, 1899-01.
- White, Edward Albert, B.S., Professor of Floriculture, 1913.
- White, Ernest Charles, B.S., Instructor in Civil Engineering, 1911.
- Whiting, Frederick, A.M., M.D., Professor of Clinical Surgery, Department of Otology, 1904. New York City.
- Whitney, Cass Ward, B.S., Instructor in Extension Teaching, 1913.
- Wiegand, Karl McKay, B.S., Ph.D., Professor of Botany in the College of Agriculture, 1913. Assistant, 1894; Instructor, 1899-07.
- Wiggers, Carl J., M.D., Assistant Professor of Physiology, 1913. New York City.
Instructor, 1911.
- Wilder, Burt Green, B.S., M.D., Professor of Neurology and Vertebrate Zoology, Emeritus, 1910.
Professor of Comparative Anatomy and Zoology, 1867; Professor of Physiology, Anatomy, and Zoology, 1878; Professor of Physiology, Vertebrate Zoology and Neurology, 1893; Professor of Neurology and Vertebrate Zoology, 1905.
- Wilkinson, Albert Edmund, B.S., Extension Instructor in Vegetable Gardening, 1913. Instructor and Investigator in Horticulture, 1912.
- Willcox, Walter Francis, A.B., LL.B., A.M., Ph.D., LL.D., Professor of Economics and Statistics, 1910. (Sabbatic leave.)
Instructor in Logic, 1891; Assistant Professor of Social Science and Statistics and Political Economy, 1892; Assistant Professor of Social Science and Statistics 1893; Associate Professor, 1894; Professor, 1898; Professor of Political Economy and Statistics, 1901; Dean of the Faculty of Arts and Sciences, 1901-07.
- Williams, Henry Shaler, Ph.B., Ph.D., Professor of Geology, Emeritus, 1912.
Assistant Professor, 1879; Assistant Professor of Paleontology, 1880; Professor 1884; Professor of Geology and Paleontology, 1886-92; Dean of the General Faculty, 1887-88; Professor of Geology, and Head of the Department, 1904.
- Williams, Walter Long, Professor of Obstetrics and Research and Head of the Department; Professor of the Diseases of Breeding Cattle, 1915.
Professor of Principles and Practice of Veterinary Surgery, Zootechny, Obstetrics, and Jurisprudence, 1896; Professor of Veterinary Surgery and Obstetrics and Investigator of Diseases of Young Animals and Breeding Cattle, 1914.
- Wilson, James Kenneth, B.S., Ph.D., Assistant Professor of Soil Technology, 1914.
Assistant in Plant Physiology, 1912; Instructor in Botany, 1913.
- Wilson, Wilford Murry, M.D., Professor of Meteorology, 1910.
Lecturer, 1906; Instructor, 1907.
- Winans, James Albert, A.B., A.M., LL.B., Professor of Public Speaking, 1914.
Instructor, 1899; Acting Assistant Professor, 1901; Instructor, 1903; Assistant Professor, 1904.
- Wing, Henry Hiram, B.Agr., M.S. in Agr., Professor of Animal Husbandry, 1903.
Instructor in Dairy Industry, 1890; Assistant Professor of Animal Husbandry and Dairy Industry, 1891; Professor, 1902.
- Wing, Lucius A., B.S., M.D., Clinical Instructor in Surgery, 1912. New York City
- Winters, Joseph Edcil, M.D., Professor of Clinical Medicine, Department of Pediatrics, 1898. New York City.
- Wood, Edgar Harper, M.E., M.M.E., Professor of Mechanics of Engineering, and Head of the Department, 1910.
Instructor in Drawing, 1899; Assistant Professor of Machine Design, 1907.
- Woodruff, Edwin Hamlin, LL.B., Professor of Law, 1896. Dean of the College of Law, 1916. Instructor in English, 1888-90; Acting Dean, 1914.

- Woolsey, George, A.B., M.D., Professor of Clinical Surgery and Anatomy, 1898.
New York City.
- Worcester, James, M.D., Instructor in Clinical Surgery, 1915. New York City.
- Work, Paul, A.B., B.S., M.S. in Agr., Instructor in Vegetable Gardening and
Superintendent of the Department, 1914. Instructor and Investigator in
Vegetable Gardening, 1910.
- Works, George Alan, Ph.B., M.S. in Agr., Professor of Rural Education, 1914.
(Absent, first term.)
- Worn, George Austin, Instructor in Machine Design, 1916.
- Wright, Albert Hazen, A.B., A.M., Ph.D., Assistant Professor of Zoology, 1915.
Assistant in Neurology, and Vertebrate Zoology, 1905; Instructor, 1908.
- Wright, Lewis Horatio, D.V.M., Instructor in Medicine in the Veterinary College,
1915.
- Wright, William K., A.B., Ph.D., Instructor in Philosophy, 1913; Lecturer on
Education, 1914.
- Wright, W. W., M.D., Clinical Instructor in Medicine, Department of Psycho-
pathology, 1912. New York City.
- Young, Allyn Abbott, Ph.B., Ph.D., Professor of Economics and Finance, 1913.
- Young, Charles Van Patten, A.B., Professor of Physical Culture and Director
of the Gymnasium, 1906. Acting Professor, 1904.
- Young, George, jr., B.Arch., Professor of the Theory of Construction in the
College of Architecture and Head of the Department, 1915.
Assistant Professor, 1909.
- Young, Helen Binkerd, B.Arch., Assistant Professor of Domestic Art, 1911.
Instructor, 1910.
- Zimm, Louis Arthur, Instructor in Plant Pathology, 1916.
Assistant in Forestry, 1915.
- Zinnecker, Wesley Daniel, Ph.B., Instructor in German, 1910.

ASSISTANTS

- Abell, Max Flavel, B.S., Farm Crops.
- Adamson, William Augustus, B.A., Chemistry.
- Alexander, William Pringle, Entomology.
- Allen, Charles Ethan, A.B., Histology and Embryology.
- Allen, C. L., Animal Husbandry.
- Allen, R., Entomology.
- Anderson, Ernest Gustaf, B.Sc.A., Plant Breeding.
- Andrews, William Alexander, Physical Training.
- Antell, Henrik, Military Science and Tactics.
- Armstrong, Edward McPherson, M.D., Clinical Surgery, New York City.
- Atkinson, Ruth V., Physical Education.
- Baerg, William J., A.B., Entomology.
- Baildon, John Karl, Farm Practice.
- Bailey, Austin, A.B., Physics.
- Baker, B. H., Forestry.
- Banks, Davies Kirkland, Power Engineering.
- Bauder, Harry Devoe, B.S. in Agr., Dairy Industry.
- Beaumont, Arthur Bishop, Soil Technology.
- Benson, Charles Beverly, Military Science and Tactics.
- Benson, John Phinneas, Botany.
- Berston, James Lewis, Military Science and Tactics.
- Billings, William Arthur, Diagnosis, Veterinary College.
- Bird, Royal Gould, Forestry.
- Bishop, Homer Guy, B.S., M.S., A.M., Psychology.
- Bishop, Sherman Chancey, B.S., Entomology.
- Blackmore, Beulah, Home Economics.

Block, Nicholas B., Machine Shop.
Bodansky, Aaron, B.S., Biochemistry.
Bolling, Richard W., M.D., Clinical Surgery, Department of Surgery, New York City.
Botsford, Harold Eugene, Poultry Husbandry.
Boyle, John Richards, 2d., Military Science and Tactics.
Bradley, George Hirst, B.S., Entomology.
Braun, Harry, B.S., Plant Pathology.
Bray, Mark Wilder, A.B., M.S., Chemistry.
Bregger, Thomas, B.S., Plant Breeding.
Bremer, Harry Earl, B.S., Dairy Industry.
Brezee, Elizabeth Lenita, A.B., Anatomy, New York City.
Bridgman, J. Allington, B.Chem., Chemistry.
Bromley, John Hallock, B.S., Soil Technology.
Brooks, Charles Albert, Forge Shop.
Brooks, Frederic Day, Poultry Husbandry.
Brooks, Homer John, B.S., Dairy Industry.
Brown, Ethel, Anatomy, New York City.
Brown, Kenneth Cotton, Military Science and Tactics.
Brown, Lawrence Glenn, Entomology.
Brundage, Walter H., Medicine Department of Medicine, New York City.
Buck, William Benjamin, Machine Shop.
Burlage, Stanley Ross, Physiology.
Burr, Emily T., A.B., Pathology, New York City.
Bush, Howard Stanley, Wood Shop.
Buttery, Clayton Joseph, A.B., A.M., Romance Languages.
Canon, Helen, Home Economics.
Carnes, Moses, Zoology.
Carrick, Doak Bain, A.B., Pomology.
Cassassa, Charles S. B., A.B., M.D., Pathological Anatomy, New York City.
Chambers, Robert, jr., M.D., Anatomy, New York City.
Champ, Kenneth Barnard, Military Science and Tactics.
Chapman, Wilbur Fiske, A.B., Political Science.
Cheney, Louis Dwight, M.D., Medicine, New York City.
Claassen, Peter Walter, A.B., A.M., Entomology.
Clark, Cuthbert Norman, B.A., Education.
Clemenger, Francis J., M.D., Experimental Medicine, New York City.
Cole, Howard Irving, B.Chem., Chemistry.
Conlin, Henry Joseph, A.B., B.Chem., Agricultural Chemistry.
Conner, Earle, M.D., Surgery Department of Otology, New York City.
Cook, Leon E., Rural Education.
Cook, Gaylord Kell, Histology and Embryology.
Cowan, Ralph Waldo Emerson, Dairy Industry.
Crane, Marion Delia, A.B., A.M., Ph.D., Philosophy.
Culbertson, Albert Lewis, Chemistry.
Dalzell, Arthur Herbert, Military Science and Tactics.
Dann, Hollis Hanford, Chemistry.
Davis, Helen B., A.B., Medicine, New York City.
Deatrick, Eugene Peyton, A.B., Soil Technology.
Dederick, Frederic Van Dyck, Materia Medica, Veterinary.
Demaree, C. C., Botany.
Dicker, Harry Aaron, A.B., Political Science.
Dickson, Bertram Thomas, B.A., Plant Pathology.
Dimmick, Forrest Lee, A.B., Psychology.
Doetsch, Irving Haier, Vegetable Gardening.
Dorsey, Ernest, Plant Breeding.
Douglass, Will A., Chemistry.
DuBois, C. O., Extension Teaching.
Dunlap, Vining Campbell, A.B., Botany.
Dusham, E. H., Entomology.

Dye, A., Physiology.
Elmendorf, Hugh Merle, Military Science and Tactics.
Engelder, Carl John, A.B., B.Chem., Chemistry.
Erickson, Lawrence, B.A., Botany.
Erskine, Archibald Mortimer, B.Chem., Chemistry.
Eschweiler, Carl Ferdinand, Physical Culture.
Evans, Deward Armenias, Foundry.
Evans, Paul DeMund, A.B., Modern European History.
Evans, Samuel Morley, M.D., Medicine, Department of Pediatrics, New York City.
Everingham, Sumner, M.D., Surgery, New York City.
Farber, Nicholas Garry, Farm Practice.
Flagg, Kenyon Putnam, B.S., Zoology.
Fleming, E. G., Public Speaking.
Foglesong, John E., Chemistry.
Fox, Kenneth Clark, Poultry.
Frost, Stuart Ward, B.S., Entomology.
Frost, Walter Sprague, Agricultural Chemistry.
Fuller, Glen L., Soil Technology.
Fuller, Revilo Franklyn, Geology.
Gage, George R., B.S., M.S., Botany.
Gamble, Dean, Zoology.
Garwood, Ralph D., Ph.D., American History.
Gates, John George, Power Engineering.
Georgia, Ada Elgiva, Natural History.
Gere, James Belden, M.D., Neuro-Pathology.
Gilchrist, Raleigh, A.B. (in Chem.), Chemistry.
Gilman, Herbert Lester, Veterinary Pathology and Bacteriology.
Globus, J. H., Anatomy, New York City.
Goldberg, Samuel Alexander, D.V.M., A.M., Veterinary Pathology.
Goodsell, Ira D., Dairy Industry.
Gorman, S. C., Forestry.
Graham, Samuel Alexander, B.S. in For., M. in For., Entomology.
Grantham, Guy Everett, A.B., Physics.
Gray, Harold Thomas, Physical Culture.
Grier, Lucie, B.S., M.S., Entomology.
Griscom, Ludlow, B.A., A.M., Entomology.
Griswold, Ralph Esty, B.S., Landscape Art.
Gutsell, Robert Squier, Histology and Embryology.
Haber, V. R., Entomology.
Hallock, E. W., Dairy Industry.
Haman, Miles Bertine, B.S., M. in For., Forestry.
Hamilton, C. C., Entomology.
Hamnett, Frank Shaver, Dairy Industry.
Hancy, Anna Jane, Botany.
Harrington, Carlos Elmer, Machine Design.
Hartzog, Justin Richardson, B.S., Landscape Art.
Hawley, Ira Myron, A.B., Ph.D., Economic Entomology.
Head, Walter Liston, Foreman, Forge Shop.
Heinsohn, Edward Charles, B.S., Poultry Husbandry.
Hersom, Charles A., Veterinary Pathology and Bacteriology.
Hess, Walter Norton, A.B., A.M., Entomology.
Hill, Mary E., Entomology.
Hodson, Edgar A., Farm Crops.
Hoel, Archie B., Chemistry.
Holt, Harper Allen, Military Science and Tactics.
Honey, Edwin Earl, B.S., Plant Pathology.
Hooper, Leroy, Foreman of Pattern Shop.
Hough, Chester Carroll, Machine Design.
Howe, Burdette Newton, Machine Shop.

Howell, Sidney Preswick, Medieval History.
Hubbard, R., Entomology.
Hubert, Merton Jerome, A.B., A.M., Romance Languages and Literatures.
Huff, Sarah B., Home Economics.
Hunn, Charles Edward, Landscape Art.
Jack, Leland, Poultry Husbandry.
Jackson, Howard Campbell, B.S., Dairy Industry.
Jackson, Stuart Deming, Chemistry.
Jenks, Leon E., B.S., M.S., Chemistry.
Jenness, James Russell, S.B., Physics.
Jennings, David Stout, B.S., Soil Technology.
Johnson, Edgar Blauvelt, B.Chem., Chemistry.
Johnson, Gertrude Amelia, B.S., M.S., Histology and Embryology.
Kaufmann, Allan Lewis, Modern European History.
Kellogg, Glennie, Home Economics.
Kennedy, Clarence Hamilton, A.B., A.M., Entomology.
Kephart, George S., Botany.
Kilbourne, E. I., Forestry.
Knowlton, Harry E., B.S., Botany.
Koch, Katherine, Entomology.
Koller, Joseph Peter, B.Chem., Chemistry.
Koller, Lewis Richard, Physics.
Krum, Olin Clifford, Extension Teaching.
Kunz, George W., Otology.
La Follette, Rollin J., B.A., Entomology.
Landon, Charles Howard, Machine Design.
Latta, John S., Histology and Embryology.
Lauritzen, John Irvin, B.S., Botany.
Leonard, Mortimer Demarest, B.S., Entomology.
Leonard, Samuel John, Astronomy.
Lindstrom, Ernest Walter, A.B., Plant Breeding.
Lobdell, Richard Nugent, B.S., M.S., Entomology.
Louder, Earl Albert, B.S., Chemistry.
McClung, Reid Lage, A.B., Economics.
McCoy, Daniel Chauncey, Military Science and Tactics.
MacKenzie, Hugh, A.B., English History.
McKinney, Asa, Chemistry.
Maguire, William Howard, English History.
Matthews, James Evart, Military Science and Tactics.
Maury, Carlotta Joaquina, Ph.B., Ph.D., Lecturer in Geology.
Maver, W. W., Roentgenology.
Metcalf, Franklin Post, B.A., Botany.
Michenor, John Hanson, Chemistry.
Milligan, William Girvan, Military Science and Tactics.
Moesel, Julia, Zoology.
Moore, Erwin Veranus, Veterinary Anatomy.
Moore, Irwin Likely, Physics.
Morath, George Sylvester, B.S., Physics.
Morton, Myron, Animal Husbandry.
Moses, Winifred, B.S., Home Economics.
Muenschler, W. C., Botany.
Mulcahy, Thomas A., M.D., Surgery Department of Otology.
Munz, Philip Alexander, A.B., A.M., Botany.
Murayama, H., Preparateur in Anatomy, New York City.
Nanz, Ralph Simpson, B.S., Botany.
Newman, O. H., Assistant in Horseshoeing.
Nye, Claribel, B.S., Home Economics.
O'Connell, Walter Christopher, Physical Training.
Olson, Emory E., Public Speaking.
Olson, Axel Adolf, A.B., Paleontology and Stratigraphic Geology.

Papanicolau, George, Ph.D., M.D., Assistant in Anatomy.
Pashkow, Morris Herman, Chemistry.
Pearsall, George Martin, M.E., Physics.
Phipps, George Robinson, B.S., Extension Teaching.
Plough, Arthur Westyn, Poultry Husbandry.
Pollock, J. J., Plant Breeding.
Price, A. E., Home Economics.
Price, Harry W., Machine Shop.
Rahe, Alfred Henry, Hygiene, New York City.
Redwood, John Percy, Military Science and Tactics.
Riche, Jesse Austen, Physiology, New York City.
Rider, Arthur John, B.S., M.S., Chemistry.
Sandburg, Rudolph William, Economics.
Saunders, Walter Le Roy, Military Science and Tactics.
Schradieck, Henry Edward, Entomology.
Scoville, Ralph Irving, Dairy Industry.
Severance, Mildred, Physics.
Severy, Harold Allan, Botany.
Sheldon, Pearl Gertrude, A.B., Ph.D., Geology.
Shelley, Leander Ivon, -Military Science and Tactics.
Shevlin, E., Physical Training.
Shigley, James Fremont, B.Pd., D.V.M., Bacteriology.
Sifton, H. B., Botany.
Sikes, Earl R., A.B., Economics.
Sivian; Leon John, Physics.
Slimm, John Bernard, Military Science and Tactics.
Smiley, Edwina M., Plant Pathology.
Smith, Ernest Edward, Physics.
Smith, Ernest Rice, A.B., Geology.
Smith, Fabian McKeon, Landscape Art.
Smith, Morris K., M.D., Clinical Surgery, New York City.
Smith, Roger Cletus, A.B., A.M., Entomology.
Smith, William Dudley, A.B., English History.
Soderholm, Walter Harold, Military Science and Tactics.
Stern, Arthur Leo, Assistant.
Stewart, George C., Farm Crops.
Stobbs, William Malcolm, A.B., Anatomy.
Stone, Edward Stanley, Veterinary Anatomy.
Stork, Harvey Elmer, A.B., Botany.
Stratton, Robert, A.B., Botany.
Stricker, Paul Frederick, Chemistry.
Summers, Richard Thomas, Chemistry.
Sutton, Henry Bruner, Anatomy.
Sutton, John Edward, jr., A.B., Anatomy.
Tanner, H. G., Chemistry.
Tapke, Victor Ferdinand, B.S., Plant Pathology.
Tapscott, Kenneth A., Landscape Art.
Teas, Livingston Pierson, B.S., Geology.
Thatcher, Mary Louise, B.S., Poultry Husbandry.
Thomas, Allen Job, A.B., LL.B., Philosophy.
Thompson, John Graham, B.Chem., Chemistry.
Townsend, Prescott Winson, A.B., Ancient History.
Tressler, Donald Kiteley, A.B., Agricultural Chemistry.
Tyndall, E. P. T., Physics.
Vanderhoef, James Elijah, Foreman in Foundry.
Van Fleet, M.E., Neurology, New York City.
Van Keuren, Helen, Home Economics.
Voorhees, Isaac Newton, Military Science and Tactics.
Vorhis, C. T., Entomology.
Waldbauer, Louis Julius, Chemistry.

Warner, Charles Albert, Physical Geography.
 Warshow, Herman, Economics.
 Washburn, C. E., Dairy Industry.
 Wedlake, William Jacob, Poultry Husbandry.
 White, Ward Benjamin, A.B., Chemistry.
 Wichelns, Alma, A.B., Physical Training.
 Wichelns, Herbert August, A.B., Public Speaking.
 Wightman, Gordon Ellwood, Chemistry.
 Wilbur, Francis Cressy, Military Science and Tactics.
 Williams, Ernest Arthur, Military Science and Tactics.
 Williams, Ethel May, A.B., Veterinary College.
 Wilson, Benjamin Dunbar, B.S., M.S., Soil Technology.
 Winchell, Paul Albert, Poultry Husbandry.
 Wolf, Raymond Joseph, Economics.
 Wontz, J. B., Farm Crops.
 Woods, William Colcord, A.B., Entomology.
 Young, Wallace Shipman, Poultry Husbandry.
 Zinssmeister, Carl Luther, B.S., Botany.

STANDING COMMITTEES OF THE UNIVERSITY FACULTY

The year in parenthesis indicates the date of retirement.

Committee on Admission by Certificate. Professor J. H. Tanner (1919), chairman; the Secretary of the University Faculty; Professors W. K. Lunt (1917); B. S. Monroe (1917); E. Blaker (1918); H. C. Davidson (1918); G. A. Works (1919); L. Pumpelly (1920); C. W. Ham (1920); the Registrar.

Committee on Student Affairs. Professor D. S. Kimball (1917), chairman; the Secretary of the University Faculty; Professors G. W. Herrick (1917); V. A. Moore (1917); A. W. Browne (1918); A. A. Young, substitute for W. F. Willcox (1918); H. N. Ogden, substitute for E. Blaker (1919); C. A. Martin (1919); C. F. Thompson (1920); the Registrar.

Committee on Undergraduate Scholarships. The Secretary of the University Faculty, chairman; Professors F. C. Prescott (1917); L. Pumpelly (1917); A. W. Boesche (1918); J. S. Shearer (1918); J. H. Tanner (1919); C. E. Bennett (1919); H. A. Sill (1920); S. G. George (1920).

Committee on University Policy. The President; the Secretary of the University Faculty; the Dean of the Graduate School; the Deans of the several College Faculties; the Secretary of the Medical College at Ithaca.

Committee on Relations to Secondary Schools. Professor G. P. Bristol, chairman; the Secretary of the University Faculty; Professors G. A. Works, D. S. Kimball, M. W. Sampson, H. D. Reed, J. P. Bretz, J. H. Tanner, the Registrar.

Committee on Excuses from Physical Training and Military Science. The Secretary of the University Faculty, chairman; the Commandant; the Professor of Physical Culture; Professors W. N. Barnard and W. A. Riley; Miss Canfield.

Committee on Entrance Examination Board. Professor G. P. Bristol (1920), chairman; the Secretary of the University Faculty; Professors J. P. Bretz (1917); G. C. Embody (1917); G. E. F. Lundell (1918); J. F. Mason (1918); V. Snyder (1919); B. S. Monroe (1919); H. A. Hitchcock (1920).

Committee on Official Publications. The President; the Secretary of the University Faculty; the Dean of the Graduate School; the Deans of the several College Faculties; the Secretary of the Medical College at Ithaca; the Registrar; the Secretary of the University.

University Committee on Hygiene and Sanitation. Professors Kerr, Moore, Ogden, C. V. P. Young, and Dr. Munford.

OTHER OFFICERS

- Schurman, Jacob Gould, A.M., D.Sc., LL.D., President of the University, 1892.
Professor of Philosophy, 1886.
- Williams, Emmons Levi, Comptroller of the University, 1914; Secretary of Board of Trustees, 1894. Assistant to the Treasurer 1872; Acting Treasurer, 1879; Treasurer, 1885.
- Bostwick, Charles Dibble, A.B., LL.B., Treasurer of the University, 1914.
General and Legal Assistant to the Treasurer, 1898; Assistant Treasurer, 1903.
- Curtis, Charles Elbert, B.C.E., Superintendent of Buildings and Grounds, 1915.
- Hoy, David Fletcher, B.S., M.S., Registrar, 1895. Assistant to the Registrar, 1891.
- Hitchcock, Harry Alton, B.S., Secretary of the University, 1916.
- Barbour, Elizabeth H., Matron of Sage College, 1909.
- Nyc, Gertrude Houston, Warden of Prudence Risley, 1913.
- Tree, Thomas, Manager of Residential Halls, 1912. Assistant to the Treasurer, 1894.
- Sutherland, Harriet, Superintendent of the Cornell Infirmaries.
- Munford, (Dr.) Samuel Archer, A.B., M.D., Medical Adviser for Men.
- Balderry, (Dr.) Frank C., M.D., Assistant Medical Adviser for Men.
- Goodwin, (Dr.) Andrew J., M.D., Assistant Medical Adviser for Men.
- McKiernan, (Dr.) Robert L., M.D., Assistant Medical Adviser for Men.
- Matzke, (Dr.) Edith H., M.D., Medical Adviser for Women, 1914; Acting Adviser of Women, 1916.
- Bull, (Dr.) Helen W., M.D., Assistant Medical Adviser for Women.
- Twesten, (Lieut.) Theodore Herman, Proctor of the University.
- Cornell, Charles Ezra, Inspector.
- Quarles, James T., University Organist, 1913.

NONRESIDENT LECTURERS, 1915-16

- Moritz J. Bonn: Der Deutsche Staatsgedanke.
- Thomas Hastings: Modern Architecture.
- Frederico Alonso Pezet: Latin and Anglo-Saxon Races in America. Lecture on the Goldwin Smith Foundation.
- L. Ward Bannister: Western Water Rights and Irrigation Law.
- Moritz J. Bonn: Course in International Economics; Course in Economic Organization and Social Legislation in Germany. Lectures on the Jacob H. Schiff Foundation.
- Charles Z. Klauder: Planning of the College Dormitory Group.
- Dr. J. Estlin Carpenter: Christianity at the Parting of the Ways.
- James Brown Scott: The International Court of Justice. Lecture on the Goldwin Smith Foundation.
- Theodore Burton: 1915 and After.
- A. Kingsley Porter: The Esthetic Appeal of Mediæval Architecture.
- Lyman P. Powell: The By-Product of the Modern College.
- Sumner Robinson: The Province of Interior Decoration; Interior Decoration and the Human Temperament.
- Moritz J. Bonn: The Jew in German Business Life.
- Major General Leonard Wood: Military Education in School and College.
- Charles Wellington Furlong: Venezuela, the land of the Orinoco.
- Benjamin S. Hubbell: Designing a Museum.
- Jacob H. Schiff: Business.
- William H. Taft: Our World Relationships and Preparedness; The Supreme Court and Popular Self-Government; The League to Enforce Peace; The Limits of Jurisdiction of the Three Branches of the Federal Government; The Presidency. Lectures on the Goldwin Smith Foundation.
- John L. Elliott: The Citizen and Community Organization; What some great Americans have thought of Religion.
- T. A. Daly: The Laughing Muse—A Talk on Current Verse in Dialect and Otherwise.
- Rowland Haynes: The Citizen and the Recreation Needs of the Community.
- John Martin: The Citizen and the Schools.

- Victor Horta: The Nationality of Belgium and Its Influence Upon Her Architecture; Mediæval Architecture in Belgium; The Evolution of Renaissance and classic Architecture in Belgium in the Nineteenth Century.
- Eugene T. Lies: The Citizen and Poverty.
- John A. Fitch: The Citizen and Industry.
- P. van den Ven: The University of Louvain.
- Mrs. Kennedy Fraser: Songs of the Hebrides.
- Selskar M. Gunn: The Citizen and Public Health.
- Anatole Le Braz: Le Génie de la France.
- Katherine Bement Davis: The Citizen and Crime.
- Elmer S. Forbes: The Citizen and the Homes of the Community.
- R. Clipston Sturgis: Architecture as a Universal Art.
- Miss Frances A. Kellor: The Citizen and Immigration.
- A. L. Brockway: The Architect and Citizenship; City Planning and the Architect.
- Robert Studebaker Binkerd: The Citizen and the Physical Development of His Community.
- Charles A. Beard: The Citizen and Public Service.
- Rev. F. M. Crouch: The Church and Citizenship.
- Dr. Henry M. Payne: Across Siberia.
- G. Sarton: Introduction to the History of Science.
- Dr. Thomas J. Headlee: A Successful Campaign against the New Jersey Mosquito.
- Edward A. Moree: The Citizen and the Press.
- Hon. Charles S. Whitman: Citizenship.
- Alexander Meiklejohn: The Liberal College.

UNIVERSITY PREACHERS ON THE DEAN SAGE PREACHERSHIP ENDOWMENT, 1915-16

- Very Rev. S. S. Marquis, D.D., Dean of St. Paul's Cathedral, Detroit, Michigan.
- Rev. Harry Emerson Fosdick, Union Theological Seminary, New York City.
- Rev. Samuel A. Eliot, D.D., President of the American Unitarian Association, Boston, Massachusetts.
- Rev. William Pierson Merrill, D.D., Pastor of The Brick Presbyterian Church, New York City.
- Dr. Shailer Matthews, Dean of the Divinity School, University of Chicago, Chicago, Illinois.
- Rev. James R. Day, D.D., LL.D., Chancellor of Syracuse University, Syracuse, New York.
- Rev. Elwood Worcester, D.D., Rector of Emmanuel Church, Boston, Massachusetts.
- Rev. Ambrose W. Vernon, D.D., Pastor of Harvard Church, Brookline, Massachusetts.
- Rev. James G. J. McClure, D.D., LL.D., President of McCormick Theological Seminary, Chicago, Illinois.
- Rev. William Fraser McDowell, D.D., LL.D., Bishop of the Methodist Episcopal Church, Evanston, Illinois.
- Rev. John Douglas Adam, Hartford Theological Seminary, Hartford, Connecticut.
- Rt. Rev. Charles D. Williams, D.D., LL.D., Bishop of Michigan, Detroit, Michigan.
- Rev. Leighton Williams, Marlborough, New York.
- Rabbi Louis J. Kopald, Temple Beth Zion, Buffalo, New York.
- Rev. William Elliot Griffis, D.D., Ithaca, New York.
- Rev. Hugh Black, D.D., Union Theological Seminary, New York City.
- Rev. William Burt, D.D., Bishop of the Methodist Episcopal Church, Buffalo, New York.
- Rev. Philip S. Moxom, D.D., Pastor of South Congregational Church, Springfield, Massachusetts.

Dr. John R. Mott, General Secretary of the World's Student Christian Federation, New York City.

Rev. Charles L. Goodell, D.D., Pastor of St. Paul's Church, New York City.

Rev. Henry E. Jackson, A.M., Pastor of the Congregational Church, Upper Montclair, New Jersey.

Rev. William C. Bitting, D.D., Pastor of the Second Baptist Church, St. Louis, Missouri.

Rev. Clarence A. Barbour, D.D., President of the Rochester Theological Seminary Rochester, New York.

Rev. Charles W. Gilkey, Pastor of the Hyde Park Baptist Church, Chicago, Illinois.

Rev. John Haynes Holmes, D.D., Pastor of the Church of the Messiah, New York City.

Rev. Samuel V. V. Holmes, D.D., Pastor of Westminster Church, Buffalo, New York.

Rt. Rev. Ethelbert Talbot, D.D., Bishop of Bethlehem, South Bethlehem, Pennsylvania.

Rev. Warren D. More, D.D., Pastor of First Presbyterian Church, Santa Barbara, California.

Rev. Frank B. Crandall, First Unitarian Church Parish, Ayer, Massachusetts.

Rev. Malcolm J. McLeod, Pastor of The Collegiate Church of St. Nicholas, New York City. Baccalaureate Sermon.

ADMISSION TO THE UNDERGRADUATE COLLEGES

For admission to the Graduate School see p. 50; for admission to the Medical College see p. 112.

Applications for admission to any one of the undergraduate colleges of the University, except the Medical College, are entertained from the following three classes of persons: (a) those who desire to begin as freshmen in some college of the University, a regular course of study leading to a degree conferred by that college; (b) those who, have already attended some institution of collegiate rank, desire to enter some college of the University; (c) those who desire to register as special students not candidates for a degree. The conditions of admission for these three classes of persons are separately described on pages 41 and 47.

The normal time for admission of students to the undergraduate colleges is at the beginning of the first term of the University year in September. For the admission of students at the beginning of the second term in February, see p. 44.

Every applicant for admission to any of the undergraduate curricula of the University, must file at the Registrar's office either a certificate of good moral character, or, in case he has previously attended some other college or university without graduating from it, a certificate of honorable dismissal from that institution.

ADMISSION OF FRESHMEN

Men who desire to begin as freshmen a curriculum leading to a degree in one of the colleges of the University, must be at least sixteen years of age. Women must be at least seventeen years of age. In the College of Law the minimum age for both men and women is, for the curriculum of four years, seventeen years; for the curriculum of three years, eighteen years.

All the colleges of Cornell University conferring baccalaureate degrees presuppose, on the part of an applicant for admission, an amount of training equivalent to that gained by four years of successful work in a high school of good standing.

Scholastic Requirements

A student who applies for admission as a freshman to any college of Cornell University is required to offer fifteen units of entrance credit in subjects included in the following list of "Entrance Subjects." A "unit of entrance credit" is granted to a student who gives evidence that he has such knowledge of an entrance subject as should normally be acquired in five periods a week during one school year, or in 120 sixty minute periods.

A. Requirements common to all the colleges. Nine units. Of these fifteen units of entrance credit, nine units in the following subjects are required by each of the colleges: English, 3 units; history, 1 unit; mathematics, 2 units; one foreign language, 3 units.

B. Additional and, in some cases, specific requirements of the several colleges. Six units. In these six remaining units some of the colleges require that additional credits in some of the subjects in group A or credits in certain other subjects shall be included, while in other colleges, all of these remaining six units are elective, i. e. they may, with certain restrictions mentioned on p. 42, be selected by the candidate at will from the list of Entrance Subjects here printed.

ENTRANCE SUBJECTS

The subjects and the maximum and the minimum amount of credit in each that may be offered for admission to the University are:

1a. English No. 1.....	1½ units	8b. Modern History..	½ unit or 1 unit
1b. English No. 2.....	1½ units	8c. Am. Hist. Civics	½ unit or 1 unit
2a. First Year Greek.....	1 unit	8d. English History....	½ unit or 1 unit
2b. Second Year Greek.....	1 unit	9a. Elementary Algebra.....	1 unit
2c. Third Year Greek.....	1 unit	9b. Intermediate Algebra.....	½ unit
3a. First Year Latin	1 unit	9c. Advanced Algebra	½ unit
3b. Second Year Latin	1 unit	9d. Plane Geometry	1 unit
3c. Third Year Latin	1 unit	9e. Solid Geometry.....	½ unit
3d. Fourth Year Latin	1 unit	9f. Plane Trigonometry.....	½ unit
4a. First Year German.....	1 unit	9g. Spherical Trigonometry..	½ unit
4b. Second Year German.....	1 unit	10. Physics.....	1 unit
4c. Third Year German.....	1 unit	11. Chemistry	1 unit
5a. First Year French.....	1 unit	12. Phys. Geography	½ unit or 1 unit
5b. Second Year French.....	1 unit	13. Biology	1 unit
5c. Third Year French.....	1 unit	14. Botany.....	½ unit or 1 unit
6a. First Year Spanish.....	1 unit	14a. Zoology	½ unit or 1 unit
6b. Second Year Spanish.....	1 unit	15. Bookkeeping.....	½ unit or 1 unit
6c. Third Year Spanish.....	1 unit	16. Agriculture	½ unit to 4 units
7a. First Year Italian.....	1 unit	17. Drawing.....	½ unit or 1 unit
7b. Second Year Italian.....	1 unit	18. Manual Training	1 unit
7c. Third Year Italian.....	1 unit	19. } Any High School subject or subjects not already used	½ unit or 1 unit
8a. Ancient History..	½ unit or 1 unit		

In connection with the foreign language requirements, the following restrictions should be noted: 1. In those colleges where the requirement is three units, all of these units must be in a single language. Any number of elective units in a second language will be accepted. If the applicant offers at least two units in the second language any number of units in a third language will be accepted. 2. In the College of Arts and Sciences where the requirement of candidates for the degree A.B. is five units, at least three units must be in some one language and at least two units in a second language. Any number of elective units in a third language will be accepted.

If biology (1 unit) is offered, neither ½ unit in botany nor ½ unit in zoology will be accepted.

No part of No. 15 may be counted for entrance to Arts and Sciences except under No. 19; a maximum of one unit in Bookkeeping is allowed by all the other colleges with the exception of the College of Agriculture which permits a maximum of one unit to be counted with the restriction that it cannot be offered in conjunction with more than one of the following subjects, Agriculture, Drawing, Manual Training.

Agriculture may not be counted for entrance to Arts and Sciences or to Law. An applicant may offer for admission to Agriculture not to exceed four units in vocational subjects under numbers 16, 18, and 19 combined.

A student may not count under No. 19 work in subjects Nos. 1-18 until he has offered the maximum (e. g. 4 units of Latin; 3 units of English, Greek, German, French, Italian, or Spanish; 1 unit of Physics, Chemistry, or Manual Training) in Nos. 1-18.

In drawing and in manual training, three hundred actual hours are required for one unit of credit.

A candidate for admission who presents Number 19 in the list above as a part of the fifteen units required for entrance will not be allowed to take any examination for college credit at entrance, see page 47.

The following tabulation shows the subjects and credits required by the several colleges.

ENTRANCE REQUIREMENTS OF THE UNDERGRADUATE COLLEGES

ARTS AND SCIENCES		LAW	LAW	AGRICUL-	VETER-	ARCHITECTURE		CIVIL AND MECH. ENG.	
A.B.	B. Chem.	4 years	3 years	TURE	INARY	4 years	4½ or 5 yr.	4 years	4½ or 5 yr.
4 years	4 years			4 years	4 years				
English, 3	English, 3	English, 3	A diploma or certificate of graduation from a university or college or a certificate that the applicant has met the entrance requirements and satisfactorily completed one year of study in a university or college of approved standing is required for admission to the three year curriculum in Law.	English, 3	English, 3	English, 3	English, 3	English, 3	English, 3
Foreign Languages, 5	French, 3 or German, 3	One Foreign Language, 3		One Foreign Language, 3	One Foreign Language, 3	French, 3 or German, 3	French, 3 or German, 3	One Foreign Language, 3	One Foreign Language, 3
History, 1	History, 1	History, 1		History, 1	History, 1	History, 1 Physics, 1	History, 1	History, 1	History, 1
Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1		Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1
Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1		Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1
	Intermed. Algebra, ½			[Solid Geom. and Pl. Trigonometry are not required but are strongly recommended for students intending to take Forestry or Landsc. Art.]	See Note	Intermed. Algebra, ½		Intermed. Algebra, ½	
	Solid Geometry, ½					Solid Geom., ½		Solid Geom., ½	
	Advanced Algebra, ½					Advanced Algebra, ½		Advanced Algebra, ½	
	Plane Trigonometry, ½					Plane Trigonom., ½		Plane Trigonom., ½	
Elective, 4	Elective, 4	Elective, 6		Elective, 6	Elective, 6	Elective, 3	Elective, 6	Elective, 4	Elective, 6
TOTAL, 15	TOTAL, 15	TOTAL, 15		TOTAL, 15	TOTAL, 15	TOTAL, 15	TOTAL, 15	TOTAL, 15	TOTAL, 15

Candidates for the degree of Bachelor of Chemistry are advised to include, among their entrance subjects, in addition to the full four units in mathematics, also three units of German and two units of French. Those who have not presented these subjects at admission will be required to take them in the University, which may result in the extension of their period of residence beyond eight terms. For the present, applicants will be admitted to the College of Arts and Sciences as candidates for the degree of Bachelor of Chemistry, upon satisfaction of the entrance requirements for the curriculum leading to the degree of Bachelor of Arts.

For admission to the New York State Veterinary College an applicant must offer a Veterinary Student Certificate issued by the Education Department of the State of New York, Albany, N. Y. This certificate satisfies the entrance requirements in full.

It is strongly recommended that for entrance to Architecture, Civil Engineering, and Mechanical Engineering, at least three of the four elective units be offered in language and history.

French or German is preferred for the three foreign language units required by the College of Civil Engineering, the College of Mechanical Engineering, the College of Agriculture, and the Veterinary College.

Admission at the Beginning of the Second Term

Applicants who have fully satisfied the entrance requirements of the College of Arts and Sciences may be admitted as freshmen in that college at the beginning of the second term in February, as well as at the beginning of the first term in September.

Applicants who have fully satisfied the entrance requirements of the College of Agriculture may be admitted as freshmen in that college at the beginning of the second term in February; they will, however, find it difficult to arrange satisfactory schedules of work and therefore should, if possible, enter in September.

Students who meet in full the requirements for admission as freshmen in either the four year or the five year curriculum in the Colleges of Mechanical Engineering, Civil Engineering, and Architecture may enter these colleges at mid year to pursue courses which will be specially outlined to suit each individual case and which will lead to the degree of Mechanical Engineer, Civil Engineer, or Bachelor of Architecture at the end of four and a half years. Those who at this time meet the requirements for admission to the five year curriculum must enter the University classes in such of the mathematical courses required for admission to the four year curriculum as have not been credited to them.

In order to secure admission at midyear with advanced standing in the regular four year courses in the College of Mechanical Engineering, of Civil Engineering and of Architecture, with the view of graduating in less than four years, the applicant must have attended an institution of collegiate rank and must secure credit for such university courses as will enable him, by attending during the remainder of the college year and (possibly) during the succeeding Summer Session, to substantially complete the year's work scheduled for the class he wishes to enter.

Students may not enter the College of Law, in the three year course, at the beginning of the second term. Applicants for admission to the four year course may be admitted at the beginning of the second term of the first year; but such applicants will be required to attend the sessions of the Summer School during the two succeeding summers, in order to obtain credit for the amount of work in Arts and Sciences which is included in the four year law course.

Students who desire admission at the beginning of the second term must place their certificates and credentials in the hands of the Registrar not later than January 15. For January entrance examinations, see page 45.

METHODS OF SATISFYING THE ENTRANCE REQUIREMENTS

Every applicant for admission must, by one of the four following methods, or by some combination of these methods, show that he possesses a satisfactory knowledge of the subjects that are required for admission to the particular college in which he plans to pursue his studies.

1. By passing the required Cornell University Entrance Examinations, see page 44.

2. By passing the College Entrance Examination Board Examinations in the required subjects, see page 45.

3. By passing the necessary Regents' Examinations (for students who have prepared in New York State), see page 45.

4. By presenting an acceptable school certificate, see page 46.

1. CORNELL UNIVERSITY ENTRANCE EXAMINATIONS

The Cornell University Entrance examinations assume in general that for each unit of entrance the student shall have such knowledge of the subject concerned as should normally be acquired in five periods a week during one school year, or in 120 sixty minute periods. The entrance examination in English (total of three units) assumes four years of preparatory study.

Examinations for admission to the University are held in Ithaca, and all examinations except in drawing, and in manual training and certain subjects in Agriculture and Home Economics, are held in New York City, First Avenue and

28th Street, in September, at the beginning of the first term of the University year. A fee of \$1 for each subject, with a maximum charge of \$5 for all subjects, must be paid by all candidates who take these examinations in New York City; the fee must be paid a second time in the case of candidates who repeat the examinations. Permits to take the examinations must be secured from the Registrar in Ithaca. The University does not hold entrance examinations in the subjects included under number 19 of the list of entrance subjects, page 42.

No examination of candidates for admission will be held by the University at any other times or places, except at the end of the first term at Ithaca. Permits to take the mid-year entrance examinations at Ithaca may be issued up to January 15th in each year upon the payment of \$1 for each subject to be taken with a maximum of \$5 for five or more subjects. In the case of applicants later than January 15th the Registrar may issue permits wherever possible. In this case the fee charged shall be double that charged prior to January 15.

A candidate may take all the entrance examinations in the same year, or he may divide them among two or three successive years.

For details concerning the subject matter of the University entrance examinations, the General Circular of Information should be consulted. Specimen copies of the September examination papers may be obtained by applying to the Secretary of the University.

2. COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATIONS

The examinations held by the College Entrance Examination Board in June of each year are accepted as the full equivalents of the Cornell University Entrance Examinations in the corresponding subjects.

The next examinations of the College Entrance Examination Board will be held at Ithaca, and at various other places, June 18-23, 1917.

The examination fee at points in the United States and Canada is five dollars; at points outside of the United States and Canada, fifteen dollars, for each candidate examined.

Those who wish to procure forms of application for examination, should address The College Entrance Examination Board, 431 West 117 Street, New York City.

3. ENTRANCE BY REGENTS' EXAMINATIONS

The Regents' examinations of the Education Department of the State of New York are accepted as the full equivalent of the Cornell University Entrance Examinations in the corresponding subjects.

The officially signed certificates or pass-cards (even for single subjects) issued by the Department of Education of the State of New York for passing Regents' examinations are accepted by Cornell University in all entrance subjects which are covered by such credentials.

The Arts College Entrance Diploma or the Science College Entrance Diploma satisfies in full the entrance requirements of the College of Arts and Sciences (for the degree A.B.), of the College of Law (the four year curriculum), and of the College of Agriculture; either likewise satisfies the requirements for admission to the 4½-year and the 5-year curricula in Architecture, in Civil Engineering, and in Mechanical Engineering.

The Arts College Entrance Diploma or the Science College Entrance Diploma satisfies the requirements for admission to the four year curriculum in Mechanical Engineering and in Civil Engineering provided the four entrance units required in mathematics are satisfied.

The Arts College Entrance Diploma or the Science College Entrance Diploma satisfies in full the entrance to the four year curriculum in Architecture provided the four entrance units required in mathematics, one in physics, and at least two in either French or German are satisfied.

The Department of Education, Albany, N. Y., will upon request issue to any student a statement showing all subjects passed to date. Apply to the Registrar for a blank for this purpose.

4. ENTRANCE BY SCHOOL CERTIFICATE

Certificates of work done in public or in private schools, in or out of the State may be accepted in lieu of passing entrance examinations, if the University authorities are satisfied with the standing of the school and if the applicant has completed a full regular course in the school and has been duly graduated after at least one year in the school.

The University does not engage in advance to accept the certificate of any school and the previous acceptance of certificates does not establish a permanent right to expect their further acceptance, but merely raises the presumption that similar certificates will be accepted.

Three separate steps must be taken before a student of any school will, on its certificate, be admitted to a college of Cornell University.

(a) The principal of the school must by formal application secure the certificate privilege for his school. (b) The principal of the school must submit a school certificate duly filled out for the individual candidate for admission. (c) The candidate himself must make application for admission to the particular college of Cornell University in which he intends to study. Official blanks for each of these purposes may be obtained from the Registrar of the University.

The school certificate should be forwarded by the principal as soon as possible after the graduation of the candidate. The application for the certificate privilege should, unless previously granted, accompany the school certificate. The candidate's application for admission to a particular college should be sent as early as possible after the candidate has decided in which college of Cornell University he desires to study. The application will be considered merely as a declaration of intention, and will impose no obligation upon the prospective student.

The school certificate should include all the subjects that the candidate has satisfactorily completed in the school, whether or not they are required by the particular college in which the candidate proposes to study; neglect to comply with this regulation may entail serious inconvenience and disappointment to the student. The school certificate may include subjects in which an examination has been passed for admission to the school. No additional or supplementary certificate will be considered after the first college term.

Certification for each unit of credit implies that the student has had five prepared recitations a week for one year of study in the subject. Two hours of laboratory work may be reckoned as equivalent to one hour of prepared recitation. If the candidate has not had five periods a week for one year in any subject but has had not less than 120 actual hours (7,200 minutes) of recitation in the subject, the school may if it desires recommend him for one unit of credit, but the school certificate must show the exact number of actual hours of recitation in the subject.

Notebooks in general need not be submitted and should not be sent unless they are in individual cases specifically requested by the Registrar.

Subjects in which work has been done privately outside of the regular school curriculum, even if under the direction of teachers in the school, should not be included in the certificate.

If in any entrance subject a student has failed to pass the Cornell or any other University Entrance Examination, or the College Board Entrance Examination, or the Regents' examinations, he will not thereafter be allowed to offer a school certificate in that subject unless, subsequently to his failure, he shall have pursued the subject regularly in class for the full time required and shall have done the full amount of work required for entrance in the subject.

Admission on school certificates is in all cases provisional. If, after admission to the University, a student fails in any subject dependent upon an entrance subject for which a school certificate has been accepted, credit for that entrance subject may be cancelled.

All communications and requests in connection with admission by school certificate should be addressed to the Registrar of the University. The University will welcome any special or personal information that school principals may care to furnish in connection with individual applicants for admission.

COLLEGE CREDIT AT ENTRANCE**For Surplus Entrance**

Credit towards a degree for work done in a preparatory school, upon subjects (Nos. 1-18, incl.) which may be offered for entrance to the University, will be given only to those students who, in addition to satisfying all entrance requirements, pass separate examinations in the subjects for which they seek college credit. These examinations will cover substantially the same ground as do the University course in the corresponding subjects. An applicant who desires a college credit examination must apply to the Registrar not later than September 10 in any year, specifying which fifteen units he intends to offer in satisfaction of the entrance requirements, and upon what other entrance subjects he wishes to be examined for college credit.

In case he fails to satisfy the entrance requirements in any one or more of the subjects which he has offered for entrance, but passes the college credit examination in any other subject or subjects, he may use the latter for satisfying the entrance requirements, but in that case he cannot also receive college credit therefor. The college credit examinations will be held in September, on the date set for the entrance examinations in the same subjects.

A candidate using No. 19 in the list of Entrance Subjects (see page 42) to complete the required fifteen units may not apply for an examination for college credit.

ADMISSION OF SPECIAL STUDENTS

A person, ordinarily one of considerable maturity, may under certain circumstances, even without satisfying the entrance requirements, be admitted to one of the colleges of Cornell University as a special student not a candidate for a degree. The applicant must give evidence of ability to do creditable work in the college and his application for admission must be recommended by the department in which he proposes to do the main part of his work.

If a person admitted as a special student without satisfying the entrance requirements subsequently satisfies these requirements, he may be graduated under the ordinary regulations of the particular college in which he is studying. He will not be permitted, however, to make up deficiencies in entrance subjects by attending University instruction in those subjects.

Candidates for admission as special students must file their applications directly with the dean of the particular college in which they propose to study.

Special students in the College of Arts and Sciences must be at least twenty-three years of age; in the College of Law, in the College of Architecture, and in Sibley College, twenty-one years of age.

The College of Civil Engineering admits as special students persons at least twenty-one years of age who are college graduates and who intend to pursue advanced work without being candidate for a degrees. The Sibley College of Mechanical Engineering requires that its special students shall have had engineering experience and the equivalent of the mathematics specified for the admission of regular students.

Special students in the College of Agriculture must have had two full years of recent farm experience and, unless they can satisfy all the entrance requirements for the regular course, must be at least twenty-one years of age.

ADMISSION FROM OTHER COLLEGES

A student who, having already attended a college or a University, desires to be admitted as a candidate for a degree to a college of Cornell University, should file with the Registrar of Cornell University, on an official blank to be obtained from him, a formal application for admission to the college of the University along with an official certificate from the college or university which he has already attended, giving evidence of (1) his honorable dismissal, (2) his entrance examinations in detail, (3) his terms of attendance and the amount of work that he has completed, and (4) a detailed statement of the courses pursued. He should

send also a catalogue of the institution, writing on it his name and marking the entrance requirements which he has satisfied and each subject which he has completed. All applications for admission from other colleges should consult the special announcement of the college of Cornell University in which they propose to study.

PAYMENTS TO THE UNIVERSITY

TUITION

Regular Year	\$150
Third Term in Agriculture.....	75
Summer Session	30
Summer School in Agriculture.....	30
Winter Courses in Agriculture	25

Students upon registering become liable for the tuition fee for the term.

The tuition fee is payable in installments of \$85 at the beginning of the first term and \$65 at the beginning of the second term. In the Medical College in New York City the entire fee is payable at the beginning of the year.

The tuition fee for any term may be refunded to any student who, for reasons satisfactory to the Comptroller and the Registrar, withdraws within twenty days after the first registration day.

A student who withdraws from the University, for reasons satisfactory to the Comptroller and the Registrar, on or before November 15 or April 1, may have refunded one-half of the tuition fee for the current term.

Students registering after December 1 or after April 1 pay for the remainder of the then current term two-thirds of the tuition fee for that term.

Graduate School. Tuition is free to graduate students for work in the State College of Agriculture. For each Graduate School minor subject taken outside the College of Agriculture, when the major subject is taken in the College of Agriculture, one-sixth of the regular tuition rate of the college in which the minor is taken, will be charged. For each Graduate School minor taken in the College of Agriculture by students whose major subject is in another college, one-sixth of the regular tuition rate will be deducted. Tuition is free to holders of University fellowships or graduate scholarships.

Instructors and Assistants registered in the Graduate School are exempt from payment of tuition for work approved by their Special Committee provided the major subject is in the line of work in which they are instructing.

No student will receive the Master's degree who has not paid tuition for at least one full year, and no one will receive the doctor's degree who has not paid full tuition for at least three years, unless one or more of these years have been spent in graduate study at another University.

Free Tuition. Tuition is free to students who hold New York State Tuition Scholarships.

Tuition is free to students pursuing full, special, and short courses in the State Agricultural and Veterinary Colleges who at the beginning of the college year are and for at least twelve months prior thereto have been bona fide residents of the State of New York. No student shall be allowed to transfer from any such course to another course where tuition is charged without first paying the regular tuition fees for the hours for which he receives credit in the latter course.

Instructors and Assistants having a degree are exempt from tuition for work leading to the first degree of the college in which they are instructing.

All tuition and other fees may be changed or increased by the Trustees to take effect at any time without previous notice.

OTHER FEES AND EXPENSES

A matriculation fee of \$5 is charged all students on entering the University.

A registration fee of \$5 is charged each student registering for the first time in the Summer Session.

Every student (except those registered in the Medical College in New York City) is charged an Infirmary fee of \$3 a term, payable at the beginning of each term. Students in the winter courses in Agriculture, are required to pay the Infirmary fee for one term. In return for the Infirmary fee, any student who is ill, is on his physician's certificate admitted to the Infirmary, and is given without further charge a bed in a ward, board, and ordinary nursing, for a period not exceeding two weeks in any one academic year.

Extra charges are made for private rooms, special food, and special nurses. If an ill student who has not received two weeks' service in the year is refused admittance to the Infirmary, by reason of lack of accommodation or if he is not cared for elsewhere by the University, he is entitled to a refund of the fee for both terms.

Students in the University Summer Session and in the Summer School in Agriculture have all the privileges of admission to the Infirmary. They pay no fee in advance, but are liable for regular charges for services rendered.

Each male undergraduate student registered in the University shall be charged a locker fee of \$2.00 per term, which locker fee shall cover the use of a locker in the University gymnasiums, or in the State Drill Hall, or in Schoellkopf Memorial Building with the use of bathing facilities and towels therein and the use of the Cornell University gymnasiums and play grounds.

Students registered in Sibley College or the College of Civil Engineering are charged \$12.50 a term for material used in College shops and laboratories; students not registered in Sibley College but taking work in the Sibley shops are charged at the rate of \$3.50 per record hour. A student who has taken while in a non-engineering college of this University part of the work required for an engineering degree shall, before receiving the technical degree, be required to pay to the University Treasurer such amount as would have been necessary if all such work had been taken while registered in the engineering college.

A fee of \$5.00 a term is required of students registered in Architecture for material used in the draft rooms and laboratories. Students not registered in Architecture but taking work in design or drawing from life, must pay a fee of \$5 per term; for other courses in drawing or modelling \$2.50 per term.

A graduation fee of \$10 is required of each person taking a first or undergraduate degree, and one of \$20 of each person taking an advanced degree. When the degree is to be conferred at Commencement, this fee must be paid at least ten days prior to Commencement Day. When the degree is to be conferred at another time than Commencement (September or February), the graduation fee must be paid at least ten days prior to the dates on which it is to be conferred. The amount paid will be refunded should the degree not be conferred.

Every person taking laboratory work or courses where such a fee is charged must pay to the Treasurer the required fee or the required deposit for the materials etc., to be used in the work. Members of the instructing staff who are registered as graduate students shall be exempt from the payment of the laboratory, shop, and agricultural fees in courses taken or in research pursued in the department in which they are employed to give instruction.

A reinstatement fee of twenty-five dollars is charged to every student who has been dropped from the University for delinquency in scholarship or conduct, except for such delinquency in scholarship as is due to ill health or to other reasons beyond the student's control, in which case the fee may be remitted upon recommendation of the Dean of the College in which the student is registered.

All students in the University are held responsible for any injury done by them to its property.

A student who fails to pay his indebtedness to the University within twenty days after the last registration day for the term will be dropped from the University.

THE GRADUATE SCHOOL

The purpose of the Graduate School, which has exclusive control of all graduate work carried on in the University, is to provide the student with the method and discipline of original research, to the ultimate end that he may contribute to the advancement of knowledge. In furnishing this opportunity for independent study and investigation, the Graduate School seeks to make the conditions such as will enable the student to devote himself wholly to his chosen field. Unhampered by the restrictions that necessarily obtain in undergraduate work, he will come into freedom of association with older scholars, who will seek to make his work profitable to him by giving such aid and direction as he may need.

All courses of study offered in the University, and all the facilities for study and investigation afforded by its libraries and laboratories, are open to students in the Graduate School, subject only to the condition of their being qualified by previous study or experience to undertake the particular work desired.

The Faculty of the Graduate School is composed of those professors, assistant professors, and instructors who are, as members of special committees, engaged in supervising the work of graduate students.

ADMISSION

Graduates of the following colleges of Cornell University, namely, the College of Arts and Sciences, the Medical College, the College of Architecture, the College of Civil Engineering, the Sibley College of Mechanical Engineering, and the College of Agriculture, and graduates of other institutions in which the requirements for the first degree are substantially equivalent, are eligible for admission to the Graduate School. In other cases, studies pursued after graduation and experience gained by professional work or otherwise are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School. Graduates of colleges other than those of Cornell University may be admitted to the Graduate School, but not to candidacy for an advanced degree, in cases where their training is regarded as less than one year short of that required for the first degree at Cornell University.

Seniors in the colleges of Cornell University who have completed the work required for the Bachelor's degree may, under certain conditions to be ascertained from the deans of their respective colleges, be admitted to the Graduate School.

CANDIDACY FOR AN ADVANCED DEGREE

A student is admitted as a candidate for an advanced degree when he has satisfied the Faculty, and especially the professors with whom he intends to work, that both his general preparation and his preliminary work in his specialty are satisfactory in kind and sufficient in amount. For a student who has been admitted to candidacy for an advanced degree, the minimum time of residence for the Master's degree is one year, and for the Doctor's degree three years, provided that the work accomplished during that time is satisfactory.

Not all students admitted to the Graduate School may expect to obtain a degree at the end of the minimum period of residence. A student whose undergraduate work has been insufficient in amount or too narrowly specialized, or whose preparation in his special field is inadequate, must count upon spending some time, in addition to the minimum residence requirement, in work of a less advanced character. The minimum residence requirement, applies only to graduates of a four year curriculum in some college of Cornell University, and to graduates of other institutions who have pursued an equivalent course of study.

The branch of knowledge to which the student intends to devote the larger part of his time is termed his major subject. The other fields of study selected, which will be necessarily more restricted in their scope and which should in

general be selected with reference to their direct bearing upon the major subject, are termed the minor subjects. Candidates for the Doctor's degree are required to select a major subject and two minor subjects; for the Master's degree, a major subject and one minor subject are required.

The work of each candidate for an advanced degree is in charge of a committee consisting of two or more professors under whom his major and minor subjects are pursued, the professor of his major subject being chairman.

Examinations for an advanced degree may be either oral or written, or both, at the option of the examining committee, and are open to all members of the Faculty.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is granted to a student who, after completing not less than three years of resident graduate work, presents a satisfactory thesis, and passes an examination on his major and minor subjects and on the subject matter of his thesis. Each candidate for the Doctor's degree must deposit one hundred printed copies of his thesis with the Dean for the use of the University Library.

The Doctor's degree is intended to represent not a specified amount of work covering a specified time, but long study and high attainment in a special field, proved in the first place by the presentation of a thesis which displays the power of independent investigation, and in the second place by passing corresponding examinations upon the ground covered by the major and minor subjects chosen at the beginning of the candidacy. The standard for the Doctor's degree is determined by the attainment to be expected of an excellent student who begins his work with adequate preparation, and devotes his whole time for three years to his major and minor subjects and to his thesis.

Candidates for the Doctor's degree will ordinarily be expected to have a working knowledge of French and German before beginning graduate work; and in all cases they must, before beginning their second year of residence, show to the satisfaction of their special committees that they possess a reading knowledge of these languages. If the subjects chosen by the candidate are of such character as to make it desirable that he should be familiar with some foreign language other than French and German, the special committee may, with the consent of the Dean, permit the substitution of that language for one of the two required.

The thesis for the Doctor's degree must be of such character as shall demonstrate the candidate's ability to do original work, and in respect of style and composition must be approved by the General Committee of the Graduate School or by some member of the Faculty who has been designated by the General Committee.

THE MASTER'S DEGREE

Cornell University confers the degrees of Master of Arts, Master of Architecture, Master of Civil Engineering, Master of Mechanical Engineering, Master in Forestry, Master in Landscape Design, and Master of Science in Agriculture.

After admission to candidacy for the degree, the student must spend at least one year in residence at this University and must pursue under the direction of his special committee, a course of advanced study including one major and one minor subject.

Each candidate must present a thesis, or essay, as the chairman of his special committee may decide, which shall demonstrate his ability to do independent work, and which shall be acceptable in style and composition. He must then pass an examination on his major and his minor subject and on the subject matter of his thesis.

GRADUATE WORK IN THE SUMMER

Graduate work may be pursued during the summer by: (a) a student who is registered in the Graduate School and also in the University Summer Session; (b) a student who is registered in the Graduate School and also in the third term of the College of Agriculture; (c) a student who is registered only in the Graduate School and is working under the direction of a member of his special committee.

Work done in the Summer Session of Cornell University, under the direction of a member of the Faculty of the Graduate School, may be counted for residence toward the Master's degree. Two Summer Sessions are considered as one term of residence, four Summer Sessions as two terms.

The third term in the College of Agriculture is accepted for purposes of graduate residence as the equivalent of one of the regular terms of the year; but no candidate for the Doctor's degree will be allowed to receive credit for more than two terms of residence during any period of twelve months.

Members of the Faculty of the Graduate School wishing to direct during the summer months the studies of graduate students who are registered neither in the summer session nor in the third term in Agriculture may obtain authorization for such work by making application to the General Committee not later than May 1 of each year. Students who have already completed at least a full year of graduate work as candidates for an advanced degree, either in this University or in some institution whose graduate work is acceptable, may receive residence credit for work thus authorized. But no candidate for the Doctor's degree will receive credit for more than two terms of residence during any twelve consecutive months.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS

The following twenty-five fellowships are annually offered in the Graduate School:

1. The Cornell Fellowship in English.
2. The McGraw Fellowship in Civil Engineering.
3. The Sage Fellowship in Chemistry.
4. The Schuyler Fellowship in Physiology; Vertebrate Zoology, including Anatomy and Histology and Embryology; or Invertebrate Zoology and Entomology.
5. The Sibley Fellowship in Mechanical and Electrical Engineering.
6. The Goldwin Smith Fellowship in Botany; Geology; or Physical Geography.
7. The President White Fellowship in Physics.
8. The Erastus Brooks Fellowship in Mathematics.
9. The University Fellowship in Architecture.
10. The University Fellowship in Romance Languages.
11. The University Fellowship in German.
12. The University Fellowship in Agriculture or in Veterinary Science.
13. The University Fellowship in Mechanical and Electrical Engineering.
14. The President White Fellowship in Modern History.
15. The President White Fellowship in Political and Social Science.
- 16-17. The Susan Linn Sage Fellowships in Philosophy.
18. The Susan Linn Sage Fellowship in Psychology.
- 19-20. The Fellowships in Political Economy.
- 21-22. The Fellowships in Greek and Latin.
23. The Fellowship in American History.
24. The Jacob H. Schiff Fellowship in German.
25. The Edgar J. Meyer Memorial Fellowship in Engineering Research.

The President White Fellowships in Modern History and in Political and Social Science have an annual value of \$500 each; the others have an annual value of \$400 each. All Fellows are also exempt from tuition.

The following seventeen graduate scholarships are annually offered in the Graduate School:

- 1-5. The Susan Linn Sage Graduate Scholarships in Philosophy.
6. The Susan Linn Sage Graduate Scholarships in Psychology.
7. The Graduate Scholarship in Mathematics.
8. The Graduate Scholarship in Chemistry.
9. The Graduate Scholarship in Physics.
10. The Graduate Scholarship in Civil Engineering.
11. The Graduate Scholarship in Latin and Greek.

12. The Graduate Scholarship in Archæology and Comparative Philology.
13. The Graduate Scholarship in Physiology; Vertebrate Zoology, including Anatomy and Histology and Embryology; or Invertebrate Zoology and Entomology.
14. The Graduate Scholarship in Botany; Geology; or Physical Geography.
15. The Graduate Scholarship in English.
16. The Graduate Scholarship in History.
17. The Graduate Scholarship in Architecture.

The graduate scholarships, with the exception of the scholarship in Architecture, have an annual value of \$200 each. Holders of graduate scholarships are also exempt from tuition. The graduate scholarship in Architecture grants only free tuition.

Official forms for submitting applications for fellowships and graduate scholarships may be obtained from the Dean of the Graduate School. All applications must be submitted to him on or before March 15 of the academic year preceding the one for which application is made. Before this application is filed, the applicant should have convinced himself by correspondence with the Dean that he is eligible for admission to the Graduate School of this University in full standing, since appointments are made only to those who are eligible for admission to candidacy for an advanced degree.

The term of each fellowship and graduate scholarship is one year; but the term may under exceptional circumstances be extended to two years.

Each holder of a fellowship or graduate scholarship may be called upon to render service to the University in the work of instruction or examination to the extent of four hours a week through the academic year.

All persons elected to fellowships and graduate scholarships are required, upon accepting their appointments, to file a bond that, in case of their resignation before the expiration of the time for which they were appointed, they will repay to the University any sums that they may have received.

The President White Fellowships in History and Political Science, may in the discretion of the Faculty of the Graduate School, be made travelling fellowships. In the case of a student of very exceptional ability and promise in the field of either of these fellowships, the two fellowships may, in the discretion of the Faculty, be combined for a single year into one.

The Jacob H. Schiff Fellowship in German may also, in the discretion of the Faculty of the Graduate School, be made a travelling fellowship.

Honorary Fellowships

Persons upon whom the Doctor's degree has already been conferred may, in the discretion of the Faculty of the Graduate School, be appointed to honorary fellowships. These fellowships cover all fees except laboratory charges. Actual residence at the University and regular registration in the Graduate School are required of all appointees.

GRADUATE PRIZE IN PHILOSOPHY

A Graduate Prize in Philosophy of the annual value of about \$25, is open for competition to all students registered in the Graduate School. The prize will be awarded to the graduate student who submits the best paper embodying the results of research in the field of philosophy.

For tuition and fees in the Graduate School see page 48.

GRADUATE STUDENTS, 1916-1917

†Not a candidate for a degree. ††Seniors who had completed the requirements for the baccalaureate degree (except in some cases the residence requirement) but were admitted to the Graduate School before the degree was actually conferred.

Abell, Max Flavel, B.S. 1914, Farm Crops, Botany, Farm Management (Montgomery, Wiegand, Warren)	Phoenix Ph.D. Ithaca
Adamson, William Augustus, A.B. (Mercer) 1907, Organic Chemistry, Analytical Chemistry, Agricultural Chemistry (Orndorff, Lundell, Cavanaugh)	Ph.D. Campbell Ph.D.
Ainsworth, Oliver Morley, B.S. 1915, English Literature, Old English, Greek (Cooper, Monroe, Bristol)	Gloversville Ph.D.
Alexander, Charles Paul, B.S. 1913, Limnology, Systematic Entomology, Systematic Botany (Needham, Bradley, Wiegand)	Ph.D. Orleans, Ind.
Allen, Charles Ethan, A.B. (Wabash) 1914, Histology and Embryology, Physiology, Vertebrate Zoology (Kingsbury, Simpson, Reed)	Ph.D. Brodhead M.S. in Agr. Ithaca
Allen, Charles Loring, A.B. 1916, Animal Husbandry, Farm Management (Wing, Warren)	Interlaken A.M.
†Allen, Mrs. Elsie Guerdum, A.B. 1912, [Adviser: A. A. Allen.]	Hartford City, Ind. Ph.D.
Allen, Margaret May, A.B. 1906, German Literature, German Philology (Davidsen, Boesche)	Philadelphia A.M.
Allen, William Ray, A.B. (Indiana) 1913; A.M. (same) 1914, Limnology, Entomology, Zoology (Needham, Riley, Reed)	Concord, Neb. Ph.D.
††Alspach, Evelyn Marguerite, A.B. 1917, Psychology, Education (Weld, Foster)	Richmond, Va.
Anderson, Ernest Gustaf, B.Sc. (Nebraska) 1915, Plant Breeding, Plant Histology, Organic Chemistry (Emerson, Eames, Orndorff)	Baltimore, Md. M.M.E.
†Anderson, Karl Brooke, B.A. (Richmond) 1916, [Adviser: A. C. King.]	Austin, Col. Ph.D.
Andrae, William Cook, M.E. 1915, Water Hammers, Hydraulics (Sawdon, Upton, Daugherty)	Lawrence, Kan. Ph.D.
Artschwager, Ernst F., B.S. (Colorado Agr. College) 1915, Plant Pathology, Plant Physiology, Plant Histology (Whetzel, Knudson, Curtis, Eames)	Lawrence, Kan. Ph.D.
Baerg, William J., A.B. (Kansas) 1915, Economic Entomology, Entomology, Zoology (Herrick, Needham, Wright)	Trumansburg Ph.D.
Bailey, Austin, A.B. (Kansas) 1915, Experimental Physics, Theoretical Physics, Physical Chemistry (Merritt, Blaker, Briggs)	Baltimore, Md.
Baker, Thomas Alexander, B.S. 1914, Animal Husbandry, Organic Chemistry, Biochemistry (Savage, Orndorff, Sumner)	Baltimore, Md. A.M.
Baker, Virginia, A.B. (Bryn Mawr), 1916 Philosophy, English (Creighton, Cooper)	Groton Ph.D.
Baldwin, Dane Lewis, A.B. 1909; M.A. (Yale) 1910, Literary Criticism, Middle English, Philosophy (Cooper, Strunk, Creighton)	Brooklyn A.M.
Barnason, Charles Frederick, A.B. (College of the City of New York), 1915, German Literature, Icelandic (Faust, Boesche, Andrews, Hermannsson)	Ithaca M.M.E.
Bason, George Francis, M.E. 1916, Electrical Engineering, Illuminating Engineering (Gray, Richtmyer)	Gearing, Ia. A.M.
Bean, Ward C., B.S. (Iowa State) 1916, Economic Geology, Stratigraphic Geology, and Paleontology (Ries, Harris)	Monmouth, Ore.
Beaumont, Arthur Bishop, B.S. (State University of Kentucky) 1908, Soil Technology, Physical Chemistry, Hydraulics (Buckman, Bizzell [Ch.], Briggs, Schoder)	Ph.D. Royersford, Pa.
Bechtel, Albert Reiff, B.S. (Univ. of Pa.) 1912; M.A. (same) 1912, Botany, Plant Pathology, Floriculture (Wiegand, Fitzpatrick, White)	Ph.D.
Beck, Ellis William, B.Arch. 1916, Architectural Design, Modern European History (Meeks, van Loon)	Jamestown M.Arch.
Behrends, Frederick G., B.S. 1916, Rural Engineering, Education, Rural Education (Riley, Works, Fraser)	Brooklyn M.S. in Agr.
Bell, Enid Rose, A.B. (Ohio University) 1916, Floriculture, Landscape Art (White [Ch.], Curtis)	Athens, O. A.M.
Bell, Josephine, A.B. (Randolph-Macon) 1915, Medieval History, French (Burr, Mason)	Ben Avon, Pa. A.M.
Bennett, Harold Selden, A.B. 1913, Inorganic Chemistry, Physical Chemistry, Analytical Chemistry (Browne, Briggs, Lundell)	Ithaca Ph.D.
Benson, John Phineus, B.S. (Utah Agr.) 1915, Plant Physiology, Plant Pathology, Physical Chemistry (Knudson, Curtis, Whetzel, Briggs)	Logan, Utah Ph.D.
Beris, Amanda K., A.B. 1917, American History, German Literature (Hull, Davidsen) (Six Terms.)	New York City A.M.
Besemer, Arthur Merle, B.S. 1913, Dairy Bacteriology, Pathogenic Bacteriology, Agricultural Chemistry (Stocking, Fitch, Cross)	Ithaca Ph.D.

- Bingham, William Edward, B.D. (Meadville Theological School) 1913; M.A. (Michigan) 1914,
 Toronto, Can. Ph.D.
 Ethics, Political Science, History of Philosophy (Thilly, Orth, Creighton)
 Bird, Royal Gould, B.S. 1916, New York City M.F.
 Forest Utilization, Forest Mensuration (Recknagel, Bentley)
 Bishop, Homer Guy, B.S. (Ohio University) 1911; M.S. (same) 1912, Derby, O.
 Experimental Psychology, Physiology, Educational Psychology (Titchener, Simpson, Foster) Ph.D.
 Bitner, Ralph Emerson, B.S. (Penn. State) 1914; M.S. (Univ. of Kentucky) 1916,
 Center Hall, Pa. Ph.D.
 Applied Electricity, Mathematics, Illumination (Bedell, Sharpe, Richtmyer)
 Böck, Joseph Carl, Ing. Chem. (Vienna Polytechnic Inst.) 1909, Brooklyn
 Biological Chemistry, Physiology, Bacteriology (Benedict, Lusk, Elser) Ph.D.
 Bodansky, Aaron, B.S. 1915, New York City
 Biochemistry, Physiology, Pathology (Sumner, Simpson, Moore) Ph.D.
 Booth, Harold Simmons, A.B. (Western Reserve) 1915; A.M. (same) 1916, Cleveland, O.
 Inorganic Chemistry, Physical Chemistry, Physics (Dennis, Bancroft, Nichols) Ph.D.
 Boshnakian, Sarkis, B.S. (Wisconsin) 1915; M.S. in Agr. (Cornell) 1915, Madison, Wis.
 Plant Breeding, Plant Physiology, Floriculture (Love, Knudson, Curtis, White) Ph.D.
 Bown, Ralph, M.E. 1913; M.M.E. 1915, Fairport
 Electrophysics, Electrical Engineering, Mathematics (Bedell, Karapetoff, Sharpe) Ph.D.
 Bradley, George Hirst, B.S. 1916, Hornell
 Economic Entomology, Limnology (Matheson, Needham) M.S. in Agr.
 Bradley, Jesse Franklin, A.B. 1911, Saugatuck, Conn. Ph.D.
 Elizabethan Literature, English Language, Philosophy (Adams, Monroe, Creighton)
 Brannon, James Marshall, B.A. (North Dakota) 1907; A.M. (same), Ithaca
 Plant Physiology, Botany, Limnology (Knudson, Curtis, Sharp, Needham) Ph.D.
 Bray, Mark Wilder, A.B. (Lawrence) 1912; M.S. (Minnesota) 1914, Appleton, Wis.
 Physical Chemistry, Organic Chemistry, Sanitary Chemistry (Bancroft, Orndorff, Chamot) Ph.D.
 Bregger, Thomas, B.S. (Illinois) 1910, Ithaca
 Plant Breeding, Plant Physiology, Organic Chemistry (Emerson, Knudson, Curtis, Orndorff) Ph.D.
 Bremer, Harry Earl, B.S. 1916, Amsterdam
 Dairy Bacteriology, Animal Husbandry (Stocking, Wing) M.S. in Agr.
 Bridgman, J. Allington, B.Chem. 1914, Ithaca
 Inorganic Chemistry, Physical Chemistry, Sanitary Chemistry (Dennis, Briggs, Chamot) Ph.D.
 Bromley, John Hallock, B.S. 1915, Ithaca
 Soil Technology, Physical Geography, Economic Geology, (Bizzell [Ch.], Buckman, von Engeln, Ries) Ph.D.
 Brown, Lawrence Glen, B.S. 1916, Nashville, Ind.
 Limnology, Biology, Aquiculture (Needham, Johannsen, Embury) Ph.D.
 Burkholder, Walter H., A.B. (Wabash), 1913, Crawfordsville, Ind.
 Plant Pathology, Plant Breeding, Plant Physiology (Reddick [Ch.], Stewart, Emerson, Knudson, Curtis) Ph.D.
 Bussell, Frank Pores, A.B. (Colgate) 1901, Ithaca
 Plant Breeding, Plant Physiology, Soil Technology (Love, Knudson, Bizzell) Ph.D.
 Buttery, Clayton Joseph, A.B. 1912; A.M. 1913, Smyrna, Del.
 French, Spanish, Italian (Comfort, Keniston, Hamilton) Ph.D.
 Cabon, David Clark, A.B. (Syracuse) 1908, Syracuse
 French, Spanish (Comfort, Keniston) A.M.
 Camp, Chester Claremont, B.A. (Grinnell) 1914; A.M. (Cornell) 1915, Corning, Ia.
 Mathematical Analysis, Applied Mathematics, Theoretical Physics (Hurwitz, Sharpe, Merritt) Ph.D.
 Camp, Harold Laverne, B.A. (Grinnell) 1914, Corning, Ia.
 Experimental Physics, Theoretical Physics (Nichols, Merritt) A.M.
 Campbell, Donald Stuart, B.S. 1916, Detroit, Mich.
 Floriculture, Landscape Art (White, Curtis) M.S. in Agr.
 Campbell, Robert E., A.B. (Wisconsin) 1906, Ithaca
 Public Finance, Economics, Statistics (Young, Davenport, Willcox, Orth) Ph.D.
 Caplan, Harry, B.A. 1916, Albany
 Latin, Comparative Philology and Archaeology (Bennett, Bristol, Andrews) A.M.
 Carpenter, James McFadden, jr., A.B. (Haverford) 1912; A.M. (same) 1913, Pittsburgh, Pa.
 French, Spanish, Italian (Comfort, Keniston, Hamilton) Ph.D.
 Carrick, Deak Bain, A.B. (Wake Forest) 1910, High Point, N. C.
 Pomology, Organic Chemistry, Floriculture (Chandler, Orndorff, White) Ph.D.
 Chandler, Wallace Larkin, B.S. (California) 1914; M.S. (same) 1915, Ithaca
 Physiology, Entomology (Parasitology), Sanitary Engineering, Sanitary Chemistry (Dresbach, Riley, Ogden, Chamot) Ph.D.
 Chang, Tien Tsai, B.S. (Illinois) 1916; M.S. in Agr. (Cornell), 1916, Canton, China
 Animal Husbandry, Farm Crops, Farm Management (Savage, Montgomery, Livermore) Ph.D.
 †Chappell, John Thomas, B.S. (Guilford) 1913, Houstonville, N. C.
 [Advisor: Dennis]
 Chen, Phoo Hwa, B.C.E. (Michigan) 1914; M.C.E. (Cornell) 1915, Fukien, China
 Bridge Engineering, Railroad Engineering, Hydraulic Engineering (Jacoby, Barnes, Seery) Ph.D.
 Chipman, Ruth Ellen, A.B. 1910, Ithaca
 Chemical Microscopy, Analytical Chemistry (Chamot, Landell) A.M.

- Clark, Cuthbert N., B.A. (McGill) 1916,
Psychology, Education (Weld, Ogden) Vancouver, B. C.
Clark, Roy Edwards, M.E. 1913, A.M.
Norwood
M.M.E.
Canton
A.M.
New Rochelle
Sanitary Chemistry, Inorganic Chemistry, Physical Chemistry (Chamot, Dennis, Bancroft) Ph.D.
Medina
- †Colman, Raymond W., A.B. (Michigan) 1913,
[Adviser: G. A. Works, E. M. Tuttle.] Holley
A.M.
Worcester
Cook, Leon Emory, A.B. 1913; B.S. in Agr. 1914,
Rural Education, Education Farm Crops (Works, L. E. Griffin, Ogden, Montgomery) M.S. in Agr.
Ithaca
Ph.D.
Hot Springs, Ark.
Comparative Vertebrate Morphology, Histology and Embryology, Systematic Vertebrate Zoology (Reed, Kingsbury, Wright) Ph.D.
Ithaca
Cowan, Ralph Waldo Emerson, B.S. 1916,
Dairy Bacteriology, Plant Physiology, Sanitary Chemistry (Stocking, Curtis, Chamot) Ph.D.
Lewiston, Mo.
†Craig, Malcolm Everette, B.S. in Ed. (Kirkville Normal School) 1915,
[Adviser: E. M. Chamot.] Ontario, Ore.
M.S. in Agr.
Ithaca
Cusick, James Thomas, B.S. (Colgate) 1907,
Agricultural Chemistry, Dairy Bacteriology, Sanitary Chemistry (Cavanaugh, Stocking, Chamot) Ph.D.
Ithaca
Dann, Archie Byron, B.S. 1914,
Poultry Husbandry, Animal Husbandry (Rice, Savage) M.S. in Agr.
Davidson, Harold Matthew, B.A. (Queen's University of Belfast) 1915; M.A. (Michigan) 1916,
English Literature of the Eighteenth Century, Elizabethan Drama, French Philology and Literature (Northup, Adams, Mason) Ph.D.
Corsicana, Texas
†Davis, Charles Jester, B.S. (Texas A. & M.) 1915,
[Adviser: E. E. Barker.] Lincoln, Neb.
Ph.D.
St. Johnsville
Davis, Helen B., A.B. (Nebraska) 1911; A.M. (Columbia) 1913,
Biological Chemistry, Bacteriology, Physiology (Benedict, Elser, Lusk) Ph.D.
Ithaca
Davis, Henry Kennedy, A.B. 1912,
Anatomy, Physiology, Histology and Embryology (Kerr, Simpson, Kingsbury) Ph.D.
Ithaca
Day, Ralph Burdette, M.E. 1906,
Research Experimental Engineering, Mathematics, Engineering Design (Carpenter, McMahon, Barnard) Ph.D.
Kutztown, Pa.
Deatrick, Eugene Peyton, A.B. (Franklin & Marshall) 1911,
Soil Technology, Physical Chemistry, Organic Chemistry (Buckman, Bizzell, Briggs, Orndorff) Ph.D.
Jamestown, Ind.
Demaree, Chester C., A.B. (Wabash) 1916,
Plant Physiology, Plant Pathology, Physical Chemistry (Knudson, Curtis, Whetzel, Briggs) Ph.D.
Metuchen, N. J.
M.S. in Agr.
Ithaca
Dickinson, Frederick Walter, B.A. (Hobart) 1915; M.A. (same) 1916,
Greek, Latin, Archaeology (Bristol, Bennett, Andrews) Ph.D.
Ithaca
Dimmick, Forest Lee, A.B. 1915,
Psychology, Educational Psychology, Physiology (Titchener, Foster, Simpson) Ph.D.
Berkeley, Cal.
†Dobbs, Earl M., D.V.M. (Kansas State Agr.) 1916,
[Adviser: V. A. Moore.] Dresden, O.
Ph.D.
Chicago, Ill.
Dorsey, Ernest, B.S. (Minnesota) 1916,
Plant Breeding, General Botany, Plant Physiology (Love, Sharp, Knudson, Curtis) Ph.D.
Douglass, William A., A.B. 1915,
Organic Chemistry, Physical Chemistry, Sanitary Chemistry (Orndorff, Bancroft, Chamot) Ph.D.
Bowdoinham, Me.
Dunlap, Vining Campbell, A.B. (Bates) 1914; A.M. (Cornell) 1916,
Botany (Mycology), Botany (Ecology), Zoology (Systematic) (Atkinson, Rowlee, Wright) Ph.D.
Dusham, Edward Henry, A.B. (Dartmouth) 1910; M.S. (Penn. State) 1915,
Economic Entomology, Insect Morphology, Insect Ecology (Herrick, Riley, Needham) Ph.D.
Dye, Harry Wilmer, B.S. (Wisconsin) 1915; M.S. (Cornell) 1916,
Plant Breeding, Plant Pathology, Plant Physiology (Emerson, Fitzpatrick, Knudson, Curtis) Ph.D.
Basalt, Idaho
†Dye, J. Alma, A.B. (Brigham Young) 1916,
[Adviser: S. S. Simpson.] Fargo, N. D.
Ph.D.
Dynes, Oliver Wesley, B.S. (N. Dak. Agr.) 1907; M.S. in Agr. (Cornell) 1912,
Farm Crops, Plant Breeding, Soils (Montgomery, Love, Bizzell) Ph.D.
Takoma Pk., Md.
A.M.
Ithaca
Ph.D.
Eldridge, John A., B.A. (Wesleyan) 1913,
Experimental Physics, Theoretical Physics (Richtmyer, Merritt) Ph.D.
Ellenberger, Howard Bowman, B.S. A. (Iowa State) 1905; M.S. in Agr. (Cornell) 1915,
Dairy Industry, Agricultural Chemistry, Bacteriology (Fisk, Cross, Stocking) Ph.D.

- Engelder, Carl John, A.B. 1913; B.Chem. 1914, Ithaca
Physical Chemistry, Inorganic Chemistry, Economic Geology (Bancroft, Browne, Ries) Ph.D.
Ensign, Martin Russell, B.S. (Utah Agr. College) 1912, Brigham City, Utah
Plant Physiology, Plant Pathology (Curtis, Fitzpatrick) M.S. in Agr.
Erickson, Lawrence, B.A. (Minnesota) 1915, Litchfield, Minn.
Histology, Plant Physiology (Eames, Knudson, Curtis) A.M.
Erskine, Archibald Mortimer, B.Chem. 1914, Ithaca
Inorganic Chemistry, Physical Chemistry, Organic Chemistry (Browne, Briggs, Orndorff) Ph.D.
Evans, Paul De Mund, A.B. 1913; A.M. 1914, Ithaca
American History, Modern European History, Medieval History (Hull, Melvin, Burr) Ph.D.
Farah, Saleem Raji, B.S. (Illinois) 1916, Nazareth, Palestine
Soil Technology, Farm Management (Bizzell, Livermore, Lauman) M.S. in Agr.
†Fenton, Paul, M.E. 1915, New York City
[Adviser: Keniston.]
Fernow, Karl Hermann, B.S. 1916, Waterport
Plant Pathology, Botany, Organic Chemistry (Whetzel, Barrus, Eames, Orndorff) Ph.D.
Fisher, Clyde Olin, A.B. (Trinity) 1911, A.M. (Columbia) 1916, Gatesville, N. C.
Economics, Politics, American History (Young, Orth, Hull) Ph.D.
Fiske, Frederic Ebell, A.B. 1914, Ithaca
Elizabethan Literature, Philosophy, Nineteenth Century Poetry (Adams, Creighton, Sampson) Ph.D.
Flagg, Kenyon Putnam, B.S. (Hamilton) 1914; B.S. (Cornell) 1916, Albion
Zoology, Entomology (Economic), Pomology (Reed, Herrick, Chandler) Ph.D.
Florence, Laura, B.Sc. (Aberdeen) 1909; M.A. (same) 1907; M.A. (Stanford) 1916, Aberdeen, Scotland
Ecology, Insect Morphology, Bacteriology (Needham, Riley, Fitch) Ph.D.
Floyd, George David, B.Sc. E.E. (McGill) 1915, Ithaca
Electrical Engineering, Experimental Engineering, Thermo-Dynamics (Gray, Diederichs, Ellenwood) Ph.D.
Foglesong, John Edward, B.A. (Wabash) 1910; A.M. (Ohio State) 1912, Niagara Falls
Inorganic Chemistry, Organic Chemistry, Physical Chemistry (Browne, Orndorff, Bancroft) Ph.D.
Foster, Florence Merritt, A.B. 1897, Los Angeles, Cal.
English, Ethics, Logic and Metaphysics (Cooper, Thilly, Creighton, Albee) Ph.D.
††Fox, Kenneth Clark, B.S. 1917, Hancock
Poultry Husbandry, Farm Management (Rice, Warren) M.S. in Agr.
Fraser, Allan Cameron, B.S. 1913, Buffalo
Plant Breeding, Botany, Floriculture (Love, Rowlee, Beal) Ph.D.
Fredette, Franklin Eugene, B.S. (Penn. State) 1915, Wilkesburg, Pa.
Soil Technology, Plant Physiology (Bizzell, Curtis) M.S. in Agr.
Friedline, Cora Louisa, A.B. (University of Nebraska) 1913; A. M. (same) 1915, Lincoln, Neb.
Psychology, Education, Philosophy (Titchener, Ogden, Creighton) Ph.D.
Frost, Stuart Ward, B.S. 1915, Tarrytown
Economic Entomology, Systematic Entomology, Zoology (Matheson, Bradley, Wright) Ph.D.
Frost, Walter Sprague, B.S. (Tufts) 1912, Ithaca
Inorganic Chemistry, Agricultural Chemistry, Soil Technology (Browne, Cross, Bizzell) Ph.D.
Funkhouser, William Delbert, A.B. (Wabash) 1905; A.M. (Cornell) 1913; Ph.D. (Cornell) 1916, Ithaca
- Honorary Fellow.
Gage, George R., B.S. (Penn. State) 1914; M.S. (Michigan Agricultural) 1915, Atlantic City, N. J.
Plant Physiology, Mycology, Organic Chemistry (Knudson, Curtis, Fitzpatrick, Orndorff) Ph.D.
†Gaither, Jasper Clyde, A.B. (Trinity) 1916, Concord, N. C.
[Adviser: E. S. Savage.]
Gamble, Dean L., B.S. 1916, Ithaca
Zoology, Ornithology (Reed, Allen) A.M.
Garwood, Robert Daniel, Ph.B. (Alfred) 1914, Canaseraga
American History, Political Science (Bretz, Orth) A.M.
Gavett, John William Jr., M.E. 1911, Plainfield, N. J.
Engineering Research, Astronomy (Carpenter, Leland) M.M.E.
Georgia, Frederick Raymond, B.Chem. 1915, Ithaca
Chemical Microscopy, Biochemistry, Bacteriology (Chamot, Sumner, Moore) Ph.D.
Gibbons, Lois Oliphant, A.B. (Michigan) 1912; A.M. (Pennsylvania) 1914, Philadelphia, Pa.
Medieval History, English History, German Literature (Burr, Lunt, Davidsen) Ph.D.
Gleichrist, Raleigh, A.B. (Montana) 1915, Great Falls, Montana
Inorganic Chemistry, Physical Chemistry, Analytical Chemistry (Dennis, Bancroft, Lundell) Ph.D.
Girard, Irene A.B. 1915, Lafayette, La.
Middle English Literature, American Literature (Northrup, Prescott) A.M.
Gleason, Josephine Mixer, A.B. (Vassar) 1914, North Adams, Mass.
Psychology, Educational Psychology, Physiology (Titchener, Foster, Simpson) Ph.D.
Goldberg, Samuel Alexander, D.V.M. 1914; A.M. 1916, Ithaca
Pathology, Bacteriology, Physiology (Burnett, Moore, Simpson) Ph.D.
Goldman, Agnes, A.B. (Bryn Mawr), 1909, New York City
Morphology, Physiology, Chemistry (Stockard, Benedict, Lusk) Ph.D.
Gram, Ernst, M.Sc. (University of Copenhagen) 1915, Lyngby, Denmark
Entomology, Plant Pathology (Herrick, Whetzel) A.M.
Grantham, Guy Everett, A.B. (Indiana) 1909, A.M. (same) 1913, New Richmond, Ind.
Experimental Physics, Theoretical Physics, Alternating Currents (Shearer, Merritt, Bodell) Ph.D.

- †Green, Ralph Waldo, B.S. 1914,
[Adviser: R. S. Hosmer.] Ithaca
- Griswold, Ralph Esty, B.S. 1916,
Landscape Design, Plant Material (Davis, Curtis) Ithaca
- Gutsell, Robert Squier, B.A. 1916,
Histology and Embryology, Anatomy (Kingsbury, Kerr) M.L.D. Ithaca
- Gutwillig, Bernard Henry, A.B. 1916,
Physical Chemistry, Analytical Chemistry (Bancroft, Lundell) A.M. Far Rockaway
- Haber, Vernon Raymond, B.Sc. (Ohio State) 1914; M.A. (same) 1916,
Insect Morphology, Economic Entomology, Systematic Zoology (Riley, Matheson, Wright) A.M. Rossburg, O.
- Hagan, William Arthur, D.V.M. (Kansas Agr.) 1915,
Veterinary Obstetrics, Veterinary Bacteriology (Williams, Fitch) Ph.D. Manhattan, Kan.
- Ham, Edwin Sleight, B.S. 1915,
Animal Husbandry, Farm Management (Wing, Harper, Warren) Ph.D. Verbank
- Hamilton, Clyde Carney, B.S. (Kansas State Agr.) 1913; M.S. (Illinois) 1916,
Insect Morphology, Economic Entomology, Systematic Entomology (Riley, Herrick, Bradley) M.S. in Agr. Haswell, Col.
- †Hancy, Anna Jane, A.B. 1912; A.M. 1916,
[Adviser: A. J. Eames.] Ph.D. Hayts' Corners
- Harlan, Clara May, A.B. (Indiana) 1913,
Latin, Victorian Literature (Bennett, Northup) Indianapolis, Ind.
- Hart, Van Breed, B.S. 1916,
Farm Management, Farm Crops, Meteorology (Thompson, Montgomery, Wilson) A.M. McLean
- Hartzell, Albert, B.S. 1916,
Entomology, Systematic Entomology (Matheson, Johannsen) Ph.D. Lebanon, Pa.
- Hartzog, Justin Richardson, B.S. (Denison) 1914,
Landscape Design; Drawing (Davis, Baker) M.S. in Agr. Tecumseh, Mich.
- Harvey, Lew Ellsworth, B.S. 1914,
Farm Management, Poultry Husbandry, Meteorology (Thompson, Livermore, Rice, Wilson) M.L.D. Marathon
- Hausman, Leon Augustus, A.B. 1914; A.M. 1916,
Comparative Morphology, Histology and Embryology, Physical Geography (Reed, Kingsbury, von Engeln) Ph.D. Ithaca
- ††Heath, Charles Orville, B.S. 1917,
Poultry Husbandry, Animal Husbandry (Rice, Maynard) Rochester
- Hebel, John William, A.B. (Indiana) 1912; A.M. (Cornell) 1913,
Elizabethan Drama, English Poetry, Philosophy (Adams, Sampson, Creighton) M.S. in Agr. Auburn, Ind.
- Hendershot, Lewis Beardsley, B.S. 1914,
Biology, Education (Needham, Ogden) Ph.D. Rochester
- †Henry, Julian Lemonde, B.S. (Texas A. & M.) 1916,
[Adviser: E. S. Savage.] A.M. Lancaster, Texas
- Hess, Walter Norton, A.B. (Oberlin) 1913; A.M. (Cornell) 1916
Insect Morphology, Economic Entomology, Zoology (Riley, Herrick, Reed) Great Valley
- Heuser, Gustave Frederick, B.S. 1915; M.S. in Agr. 1916,
Poultry Husbandry, Rural Education and Education, Histology and Embryology (Rice, Works, Ogden, Kingsbury) Ph.D. Buffalo
- Hickman, Charles Wesley, Jr., B.S. (Purdue) 1916
Animal Husbandry, Diseases of Animals (Seulke, Williams) Lafayette, Ind.
- Hill, Roland Hurdon, A.B. 1916,
Biochemistry, Physical Chemistry, Organic Chemistry (Sumner, Bancroft, Orndorff) M.S. in Agr. St. Louis, Mo.
- Hodson, Edgar Allen, B.S. (Alabama Polytechnic) 1911; M.S. (North Carolina A. & M.) 1914,
Farm Crops, Farm Management (Montgomery, Warren) Ph.D. Athens, Ala.
- Hoel, Archie Bernhard, B.A. (Montana) 1916,
Inorganic Chemistry, Analytical Chemistry, Electro-Chemistry (Browne, Lundell, Briggs) M.S. in Agr. Menomonie, Wis.
- Hoffman, Allyn Packard, B.S. 1916,
Landscape Design, Drawing (Davis, Baker) Ph.D. Elmira
- Holland, Robert T., A.M. (Northwestern) 1911,
Psychology, Education, Physiology (Titchener, Foster, Simpson) M.L.D. Scottsville, Ky.
- Hollcroft, Temple Rice, B.S. (Hanover) 1912; A.B. (same) 1914; A.M. (Kentucky) 1915,
Geometry, Mathematical Analysis, Physics (Snyder, Hurwitz, Merritt) Ph.D. Alton, Ind.
- Honey, Edwin Earl, B.S. 1916,
Plant Pathology, General Botany, Organic Chemistry (Whetzel, Eames, Orndorff) Ithaca
- Hopkins, Edwin Fraser, B.S. 1915,
Plant Pathology, Plant Physiology, Physical Chemistry (Whetzel, Knudson, Curtis, Briggs) Ph.D. Buffalo
- Hoyt, Creig, B.S. (Grove City College) 1913,
Analytical Chemistry, Physical Chemistry (Lundell, Bancroft) Ph.D. Grove City, Pa.
- Howe, Anna Mayme, A.B. (Wells) 1908; A.M. (Cornell) 1911,
Mathematics, Geometry, Mathematical Analysis, Physics (Snyder, Hurwitz, Blaker) A.M. Jordan
- Hubbard, Ralph, B.A. (Colorado State) 1915,
Ornithology, Education (Allen, Ogden) Ph.D. Buffalo
- Hubert, Merton Jerome, A.B. 1913; A.M. 1914,
French, Italian, Spanish (Comfort, Hamilton, Keniston) A.M. Toledo, Ohio
- Hungerford, Herbert B., B.A. (Kansas) 1911,
Limnology, Parasitology, Economic Entomology (Needham, Riley, Herrick) Ph.D. Lawrence, Kan.
- Hunn, Chester Jermain, B.S. 1908,
Plant Breeding, Floriculture, Pomology (Emerson, Beal, Chandler) Ph.D. Ithaca

- Jackson, Howard Campbell, B.S. 1915, Trumansburg
Analysis of Dairy Products, Physical and Bacteriological Problems of Cheese Making,
(Troy, Flak) M.S. in Agr.
Jackson, Stuart Deming, A.B. 1916, Cincinnati, O.
Organic Chemistry, Analytical Chemistry, Physical Chemistry (Orndorff, Lundell, Bancroft) Ph.D.
- Jansen, Raymond Rowland, B.S. 1914, Fonda
Farm Management, Rural Education (Livermore, Works and Ogden, Tuttle) M.S. in Agr.
- Jenks, Leon E., B.S. (Hamilton) 1905; M.S. (same) 1908, Ithaca
Inorganic Chemistry, Analytical Chemistry (Browne, Lundell) A.M.
- Jenness, James Russell, S.B. (Denison) 1906, Chrisman, Ill.
General Physics, Light (Nichols, Merritt) A.M.
- Jennings, David Stout, B.S. (Utah Agr.) 1912, Hinckley, Utah
Soils, Physiography, Physical Chemistry (Buckman, Bizzell [Ch.], von Engeln, Briggs) Ph.D.
- Johnson, Edgar Blauvelt, B.Chem. 1915, Tarrytown
Inorganic Chemistry, Organic Chemistry, Quantitative Analysis (Dennis, Orndorff, Lundell) Ph.D.
- Johnson, Gertrude Amelia, B.S. (Northwestern) 1911; M.S. (Illinois) 1913, Chicago, Ill.
Histology and Embryology, Geology, Biology (Kingsbury, Reed, Needham) Ph.D.
- †Johnson, Howard Eckler, D.V.M. 1914, Ithaca
[Adviser: G. S. Hopkins.]
- Kao, Chienze Yang, B.A. (Soochow) 1915, Soochow, China
Ethics, Education (Thilly, Ogden) A.M.
- Kennedy, Clarence Hamilton, A.B. (Indiana) 1902; A.M. (Stanford) 1914, Rockport, Ind.
Insect Morphology, Systematic Entomology, Vertebrate Zoology (Needham, Riley, Johannsen, Reed) Ph.D.
- Kent, Olney Brown, B.S. 1913, Cazenovia
Poultry Breeding, Plant Breeding, Systematic Zoology (Rice, Love, Wright) Ph.D.
- Kingery, Hugh McMillan, B.A. (Wabash) 1908; M.A. (Wabash) 1909, Crawfordsville, Ind.
Histology and Embryology, Zoology, Entomology (Kingsbury, Reed, Riley) Ph.D.
- Kirschstein, Irene Bates, A.B. (Nebraska) 1915, Lincoln, Neb.
American History, English History, Medieval History (Hull [Ch.], Bretz, Lunt, Burr) Ph.D.
- Klant, Robert Herman, B.S. in Agr. (Illinois) 1916, Chicago, Ill.
Farm Crops, Soil Technology (Montgomery, Bizzell) M.S. in Agr.
- Knauss, James Owen, B.A. (Lehigh) 1910; A.M. (Harvard) 1913, State College, Pa.
German Literature, German Philology, Modern European History (Faust, Pope, Burr) Ph.D.
- Knight, Dorothy Reese, A.B. 1916, Ithaca
Sanitary Chemistry, Bacteriology (Chamot, Moore) A.M.
- Knowlton, Harry E., B.S. (Michigan Agr.) 1912, Fennville, Mich.
Plant Physiology, Physical Chemistry, Pomology (Knudson, Curtis, Briggs, Chandler) Ph.D.
- Koller, Joseph Peter, B.Chem. 1912, Ithaca
Inorganic Chemistry, Organic Chemistry, Physical Chemistry (Dennis, Orndorff, Bancroft) Ph.D.
- Kubushiro, Shojiro, Technical College of Tokyo 1907, Kubnamoto, Japan
Physiological Chemistry, Bacteriology, Physiology (Benedict, Elser, Lusk) Ph.D.
- Ladd, William Stanton, B.S. (Illinois) 1916, Taylorville, Ill.
Farm Management, Rural Economy (Livermore, Lauman) M.S. in Agr.
- Latta, John Stephens, B.A. (Miami) 1916, College Corner, Ohio
Histology and Embryology, Comparative Vertebrate Anatomy, Entomology (Kingsbury, Reed, Needham) Ph.D.
- Lauritzen, John Irwin, B.S. (Utah Agr.) 1913, Moroni, Utah
Plant Pathology, Plant Physiology, Physical Chemistry (Reddick, Stewart, Knudson, Curtis, Briggs) Ph.D.
- Lee, Kung, B.S. C.E. (Government Institute of Technology) 1916, Shanghai, China
Bridge Engineering, Hydraulics (Jacoby, Seery) M.C.E.
- Lehman, Leonard Calvin, B.S. in Agr. (Ohio State) 1912, Versailles, Ohio
Dairy Bacteriology, Agricultural Chemistry (Stocking, Cavanaugh) M.S. in Agr.
- Leighton, Frank Thomson, U. S. Naval Academy, 1909; M.S. (Columbia) 1916, Tunkhannock, Pa.
Electrical Engineering, Engineering Mathematics (Gray, Karapetoff) M.M.E.
- Levy, Theresa, B.S. (Barnard) 1916, New York City
Physiological Chemistry, Physiology (Benedict, Lusk) A.M.
- †Lilley, John Jethro, A.B. (Trinity) 1916, Gatesville, N. C.
[Adviser: H. H. Wing.]
- Lindstrom, Ernest Walter, A.B. (Wisconsin) 1914, Chicago, Ill.
Plant Breeding, Plant Physiology Pomology, (Emerson, Knudson, Curtis, Chandler) Ph.D.
- Ling, Ernest Fitchard, B.S. (Allegheny) 1916, Meadville, Pa.
Experimental Physics, Theoretical Physics (Richtmyer, Nichols) A.M.
- Lo, Ying, C.E. 1916, Kaing Si, China
Bridge Engineering, Hydraulic Engineering (Jacoby, Schoder) M.C.E.
- Lebdell, Richard Nugent, B.S. (Mississippi A. & M.) 1910; M.S. (same) 1912, Rosedale, Miss.
Limnology, Zoology, Botany (Embrey, Reed, Wiegand)
- Long, Tudor Seymour, A.B. 1915, Ithaca
English, Philosophy (Adams, Creighton) A.M.
- Louder, Earl Albert, B.S. (Huron College) 1916, Huron, S. D.
Inorganic Chemistry, Physical Chemistry, Organic Chemistry (Browne, Briggs, Orndorff) Ph.D.
- McArthur, Joseph W., B.S. (Oregon) 1908; C.E. (same) 1912, Eugene, Ore.
Bridge Engineering, Highway Engineering (Jacoby, Conwell) M.C.E.
- McCann, W. Irvine, B.S. (Ohio State) 1914, Frayzeysburg, O.
Pomology, Plant Pathology (Rees, Healer) M.S. in Agr.

- McClung, John Morton, B.A. (Washington and Lee) 1903, Rockbridge Baths, Va.
Animal Husbandry, Farm Management (Savage, Warren) M.S. in Agr.
- McClung, Reid Lage, A.B. (Morris Harvey) 1904, Barboursville, W. Va.
Economics, Political Science, Social Science (Young, Orth, Willcox, Davenport) Ph.D.
- McKinney, Asa Emanuel, A.B. (Indiana) 1914; A.M. (same) 1915, Scircville, Ind.
Inorganic Chemistry, Physical Chemistry, Agricultural Chemistry (Browne, Bancroft, Cavanaugh) Ph.D.
- McNall, Preston Essex, B.S. in E.E. (Kansas State Agr.) 1909; B.S. (same) 1914; M.S. (same) 1914, Manhattan, Kan.
Farm Management, Rural Economy, Political Science (Warren, Livermore, Lauman, Davenport) Ph.D.
- McNaughton, Robert Henry, B.Arch. 1916, Akron, O.
Design, Modern European History (Meeks, van Loon) M.Arch.
- McRostie, Gordon Peter, B.S.A. (Toronto Univ.) 1912, Guelph, Ont.
Plant Breeding, Plant Pathology, Soil Technology (Emerson, Barrus, Bizzell) Ph.D.
- McVetty, Percy George, M.E. 1913, Buffalo
Experimental Engineering, Air Measurement (Upton, Carpenter, Sawdon) M.M.E.
- MacDaniels, Laurence Howland, A.B. (Oberlin) 1912, Ithaca
Botany, Plant Pathology, Pomology (Eames, Whetzel, Reddick, Chandler) Ph.D.
- MacKenzie, Hugh, A.B. 1916, Millbrook
English History, Medieval History, Modern European History (Lunt, Burr, van Loon) Ph.D.
- Mao, Thompson, A. T. E. C. (Tangshan Engineering) 1916, Nanking, China
Bridge Engineering, Hydraulics (Jacoby, Seery) M.C.E.
- Martin, Donnis, A.B. (Missouri) 1911; A.M. (same) 1913, El Dorado Springs, Mo.
Latin, Greek, Archaeology (Bennett, Bristol, Andrews) Ph.D.
- Martin, Gladys, A.B. (Missouri) 1911; A.M. (same) 1913, El Dorado Springs, Mo.
Latin, Greek, Archaeology (Bennett, Bristol, Andrews) Ph.D.
- †Massey, Louis M., A.B. (Wabash) 1912, Ph.D. (Cornell) 1916, Lima, O.
[Adviser: V. B. Stewart.]
- Matteson, Jane Louise, A.B. (Michigan State Normal) 1908, Ypsilanti, Mich.
Pure Mathematics, Applied Mathematics (McKelvey, McMahon) A.M.
- Meade, De Voe, B.S. (Penn. State) 1911, Ithaca
Animal Husbandry, Farm Management, Plant Breeding (Wing, Warren, Myers) Ph.D.
- †Medaugh, Frederick Wilbur, B.E. (Vanderbilt) 1914, Chattanooga, Tenn.
[Adviser: W. A. Riley.]
- Mendiola, Nemesio Blanco, B.S. (University of the Philippines) 1914; M.S. (same) 1916, Los Banos, Laguna, P. I.
Plant Breeding, Plant Physiology, Farm Crops (Myers, Knudson, Curtis, Montgomery) Ph.D.
- Metcalf, Franklin Post, B.A. (Oberlin) 1913, Talladega, Ala.
Botany, Pomology, Zoology (Wiegand, Chandler, Wright) Ph.D.
- †Metzger, Ruth Isidor, B.A. (Vassar) 1915, Elmira
[Adviser: W. H. Chandler.]
- Meyler, Robert Gerhard M. E. 1916, Los Angeles, Cal.
Industrial Organization Research, Physics (Kimball, Moler) M.M.E.
- Michener, John Hanson, A.B. 1916, Erie, Pa.
Physical Chemistry, Analytical Chemistry (Bancroft, Lundell) A.M.
- Millen, Frederic Hartwell, B.S. 1915, Ithaca
Silviculture, Plant Pathology (Spring, Rankin) M.F.
- Millen, Mabel Gertrude Beckley, B.S. 1915, Ithaca
Silviculture, Economic Entomology (Spring, Matheson) M.F.
- Miller, Frederick William Addison, Ph.B. (Brown) 1915; M.A. (same) 1916, Ivoryton, Conn.
Logic and Metaphysics, Ethics, Psychology (Creighton, Albee, Hammond, Thilly, Weld) Ph.D.
- Minns, Lua Alice, B.S. 1914, Lodi, O.
Floriculture, Plant Breeding (Beal, Gilbert), Emerson, M.S. in Agr.
- Misner, Edward Gardner, B.S. 1913, Dairyland
Farm Management, Animal Husbandry, Dairy Industry (Warren, Livermore, Savage, Ross) Ph.D.
- Moesel, Julia, A.B. 1916, Buffalo
Zoology, Botany (Wright, Eames) A.M.
- Moles, Margaret Lyons, B.A. (Pomona) 1915; M.A. (same) 1916, Claremont, Cal.
Parasitology, Entomology, Pathology (Riley, Needham, Fitch) Ph.D.
- Moon, Merl Perrott, A.B. 1915, Beaver Falls, Pa.
Dairy Industry, Organic Chemistry (Ross, Orndorff) M.S. in Agr.
- Morath, George S., B.S. (Colgate) 1915, Utica
Experimental Physics, Mathematics (Gibbs, Owens) A.M.
- Mordoff, Richard Alan, B.S. in Agr. 1911, Ithaca
Farm Management, Cost Accounting, Physical Geography (Warren, Livermore, von Engeln) Ph.D.
- Moses, Winifred, B.S. 1915, Ithaca
Biochemistry, Physical Chemistry, Sanitary Chemistry (Sumner, Briggs, Chamot) Ph.D.
- †Moskowitz, Jay, B.S. (Rochester) 1913, Rochester
[Adviser: E. G. Davis.]
- Muescher, Walter Conrad, A.B. (Washington State) 1914; M.A. (Nebraska) 1915, Lynden, Wash.
Plant Physiology, Botany (Algae), Plant Pathology (Curtis, Schramm, Fitzpatrick) Ph.D.
- Munz, Philip Alexander, A.B. (Denver) 1913; A.M. (same) 1914, Denver, Col.
Biology, Botany, Zoology (Needham, Wiegand, Wright) Ph.D.
- Myers, William Irving, B.S. 1914, Ithaca
Farm Management, Animal Husbandry, Political Science (Livermore [Ch.], Thompson, Wing, Willcox, Young) Ph.D.

- Nakahara, Waro, B.S. (Tokyo Agr.) 1915, Tokyo, Japan
Insect Morphology, Systematic Entomology (Riley, Needham) A.M.
- Nanz, Ralph Simpson, B.S. 1912, Ithaca
Plant Physiology, Botany (Taxonomy), Physical Chemistry (Knudson, Curtis, Wiegand, Briggs) Ph.D.
- Neuwirth, Isaac, B.S. 1914, New York City
Physiological Chemistry, Physiology, Pathology (Benedict, Lusk, Ewing) Ph.D.
- Nix, Alma, A.B. (Hollins) 1916, East Rockaway
Ethics, History of Philosophy (Thilly, Creighton) A.M.
- Noble, Clarence Vernon, B.S. 1916, Ithaca
Farm Management, Farm Crops, Animal Husbandry (Livermore, Warren, Montgomery, Savage) Ph.D.
- Norris, Olive Katherine, A.B. (Oberlin) 1905, Spencer
Physical Chemistry, Physics, Biochemistry (Bancroft, Merritt, Sumner) Ph.D.
- Oakes, Charles Ernest, B.S. (Oregon Agr.) 1915, Ithaca
Electrical Engineering, Physics (Karapetoff, Bedell) M.M.E.
- Ohlendorf, Walter, B.S. (Texas A. & M.) 1913, Lockhart, Texas
Economic Entomology, Organic Chemistry (Herrick, Orndorff) M.S. in Agr.
- Olson, Emery Evans, A.B. (University of S. California) 1916, Los Angeles, Cal.
Public Speaking, Political Science (Winans, Orth) A.M.
- Olsson, Axel Adolf, A.B. 1913, Gloversville
Paleontology, Mineralogy and Petrography, Economic Geology (Harris, Gill, Van der Meulen, Ries) Ph.D.
- Overholser, Earle Long, B.S. in Agr. (Missouri) 1913; M.A. (same) 1914, Harrisonville, Mo.
Pomology, Botany, Plant Physiology (Chandler, Wiegand, Curtis, Knudson) Ph.D.
- †Owens, Mrs. Helen Brewster, A.B. (Kansas) 1900; A.M. (same) 1901; Ph.D. (Cornell) 1910, Ithaca
[Adviser: Gillespie.]
- Page, E. Richard, B.S. (Maine) 1913, Ithaca
Electrical Engineering, Illumination (Gray, Richtmyer) M.M.E.
- Paine, Ernest Trowbridge, A.B. (Brown) 1901; A.M. (same) 1903, Ithaca
Logic and Metaphysics, Ethics, Greek and Medieval Philosophy (Creighton, Albee, Thilly, Hammond) Ph.D.
- Palmer, Ephraim Laurence, A.B. 1911; A.M. 1913, Cortland
Systematic Botany, Entomology, Oecology (Rowlee, Needham, Riley, Wright) Ph.D.
- Palmer, Harold John, A.B. 1915, Poughkeepsie
Literary Criticism, English Literature (Cooper, Gilbert) A.M.
- Panoff, Emanuel, B.S. 1914, Brooklyn
Economic Entomology, Dairy Bacteriology (Matheson, Herrick, Stocking) A.M.
- Pekary, Charlotte Helen, A.B. 1915; A.M. 1916, Brooklyn
German Literature, German Philology, French (Davidsen, Boesche, Mason) Ph.D.
- Perry, William Henry, A.B. (Syracuse) 1908; M.A. (Columbia), Kings Ferry
Logic and Metaphysics, Ethics (Creighton, Thilly) Ph.D.
- Phillips, Harold Deane, A.B. (Oberlin) 1910; B.S. in Agr. (Cornell) 1914, Brooklyn
Rural Economy, Economic Theory, History (Lauman, Davenport, Hull) Ph.D.
- Phipps, George R., B.S. 1915, Ithaca
Rural Economy, American History, European Economic History (Lauman, Hull, Usher) Ph.D.
- Pidgeon, Howard A., B.Sc. (Ohio Univ.) 1911; M.Sc. (same) 1912, Pennsville, O.
Experimental Physics, Theoretical Physics, Hydraulics (Nichols, Merritt, George) Ph.D.
- Ping, Chih, B.S. 1913, Kai Feng, Ho-Nam, China
Biology, Entomology, Vertebrate Zoology (Needham, Johannsen, Reed) Ph.D.
- Potter, George Frederick, B.S.A. (Wisconsin) 1913; M.S. in Agr. (same) 1916, Madison, Wis.
Plant Breeding, Plant Physiology, Pomology (Emerson, Knudson, Curtis, Chandler) Ph.D.
- Price, Albert Eugene, B.Arch. 1916, Port Arthur, Tex.
Design, City Planning (Meeks, Martin) M.Arch.
- Pugsley, Earl D., A.B. 1916, Salt Lake City, Utah
Logic and Metaphysics, Ethics (Creighton, Albee, Thilly, Hammond) A.M.
- Putnam, Arthur James, A.B. 1915, Deposit
English Drama, Middle English (Sampson, Strunk) A.M.
- Quinn, Edmond John, B.S. in Chem. (Notre Dame) 1911, Bozeman, Mont.
[Adviser: Dennis.]
- Rand, Ruth, A.B. (Wellesley) 1916, Brooklyn
Histology, Physiology (Kingsbury, Simpson) A.M.
- Randolph, Lowell Fitz, Ph.B. (Alfred) 1916, Alfred
[Adviser: G. A. Works.]
- Reveley, Ida Louise, Ph.B. (Syracuse) 1905; A.M. (Cornell) 1909, Syracuse
Physiology, Botany, Entomology (Simpson, Atkinson, Riley) Ph.D.
- Rice, William Karl, Ph.B. (Brown) 1915, Adams
Cancelled.
- Rich, Gilbert Joseph, A.B. 1915; A.M. 1915, New York City
Psychology, Educational Psychology, Physiology (Titchener, Foster, Simpson) Ph.D.
- Richardson, J. Edward, Jr., A.B. (Johns Hopkins) 1913; M.S. (Wisconsin) 1916, Baltimore, Md.
Pomology, Plant Pathology, Plant Physiology (Chandler, Stewart, Curtis, Knudson) Ph.D.
- Rider, Arthur J., B.S. (Colgate) 1912; M.S. (same) 1914, Apalachin
Physical Chemistry, Inorganic Chemistry, Sanitary Chemistry (Bancroft, Dennis, Chamot) Ph.D.
- Rigg, Melvin Gillison, A.B. (Baker) 1916, Baldwin City, Kan.
History of Philosophy, Ethics (Creighton, Hammond, Albee, Thilly) A.M.
- Riley, Edgar Heisler, A.B. 1915, Wilmington, Del.
English Literature, Old English, Medieval History (Cooper, Monroe, Burr) Ph.D.

- Robison, George Merritt, A.B. 1916, Cranberry Creek
Pure Mathematics, Applied Mathematics (Craig, Sharpe) A.M.
- Rogers, Fred Stillman, B.S. (Alfred) 1909; M.E. (Cornell) 1913, Alfred
Electrical Engineering, Machine Design (Karapetoff, Kimball) M.M.E.
- Roper, Frank Adams, B.S. 1915; M.S. 1916, Owego
Farm Management, Animal Husbandry, Economics (Livermore, Wing, Young) Ph.D.
- ††Rosen, George J., B.S. 1917, Brooklyn
[Adviser: E. E. Barker.]
- Rowell, Homer Ransom, B.S. (Rhode Island State) 1916, Groveland, Mass.
Farm Management, Soil Technology (Warren, Bizzell) M.S. in Agr.
- ††Ruckes, Herbert, B.S. 1917, New York City
Insect Morphology and Histology, Botany (Riley, Sharp) A.M.
- Savage, Clifford Boynton, B.S.A. (Missouri) 1913; M.S. in Agr. (Cornell) 1916, Frankfort, Mich.
Economic Entomology, Pomology, Plant Pathology (Crosby, Chandler, Stewart) Ph.D.
- Scheetz, Francis Harley, A.B. 1915, Norristown, Pa.
Inorganic Chemistry, Physical Chemistry (Browne, Bancroft) A.M.
- Schelleng, John Christopher, A.B. 1915, Ithaca
Experimental Physics, Theoretical Physics, Physical Chemistry (Richtmyer, Merritt, Briggs) Ph.D.
- Schmelter, Harry Emil Richard, B.S. 1913, Brooklyn
Silviculture, Forest Utilization (Spring, Recknagel) M.F.
- Schumm, Paul Berwig, B.S. 1915, New York City
Landscape Design, Drawing (Davis, Baker) M.L.D.
- Scott, Joseph Prestwich, D.V.M. (Ohio State) 1914, Manchester, Eng.
Veterinary Physiology, Comparative Pathology (Fish, Moore) A.M.
- Severance, Mildred, A.B. 1915, Buffalo
Floriculture, Advanced Photography (White, Moler) A.M.
- †Sewell, Dorothy A., A.B. (Smith) 1916, Walton
[Adviser: H. D. Reed.]
- Shadle, Albert Ray, B.A. (Ohio State) 1913; M.A. (same) 1915, Lockbourne, O.
Zoology, Limnology, Histology (Reed, Needham, Kingsbury) Ph.D.
- Sikes, Earl Ray, A.B. (Trinity) 1915, Clayton, N. C.
Politics, Economics, American History (Orth, Davenport, Hull) Ph.D.
- Sivian, Leon John, A.B. 1916, Brooklyn
Experimental Physics, Theoretical Physics, Mathematics (Merritt, King, Hurwitz) Ph.D.
- Smiley, Edwina Maria, B.A. (Wellesley) 1916, Mansfield, Mass.
Plant Pathology, Histology (Whetzel, Eames) A.M.
- Smith, Charles Vivian, A.B. (Wabash) 1913, Crawfordsville, Ind.
Inorganic Chemistry, Physical Chemistry, Agricultural Chemistry (Browne, Cross) Ph.D.
- Smith, Ernest Edward, A.B. 1916, Shanesateles
Experimental Physics, Theoretical Physics (Richtmyer, Merritt) A.M.
- Smith, Ernest Rice, A.B. (Oberlin) 1912, Ithaca
Paleontology, Mineralogy, Economic Geology (Harris, Gill, van der Meulen, Ries) Ph.D.
- Smith, Frank Kye, A.B. (Oklahoma) 1916, Norman, Okla.
Insect Ecology, Economic Entomology (Needham, Herrick) A.M.
- †Smith, Gus Frederick, B.S. in Agr. (Ohio State) 1915, Elyria, O.
[Adviser: G. F. Warren.]
- Smith, Homer W., B.S. (S. Dakota State) 1916, Egan, S. Dak.
Public Speaking, Political Science (Winans, Orth) A.M.
- Smith, Roger Cletus, A.B. (Miami) 1911; M.A. (Ohio State) 1915, Ithaca
Entomology, Parasitology, General Zoology (Needham, Riley, Reed) Ph.D.
- †Smith, Mrs. Ruby Green, A.B. (Stanford) 1902; A.M. (same) 1904; Ph.D. (Cornell) 1914, Ithaca
[Adviser: M. Van Rensselaer.]
- Smith, Theodore Levi, C.E. 1916, Forty Fort, Pa.
Structural Engineering, Hydraulics (Jacoby, Schoder) M.C.E.
- Snyder, Robert Mifflin, B.S. (Michigan Agr.) 1914, E. Lansing, Mich.
Soil Technology, Plant Physiology, Physical Chemistry (Bizzell [Ch.], Lyon, Curtis, Knudson, Briggs) Ph.D.
- Stewart, Fred Waldorf, A.B. 1916, Binghamton
Histology and Embryology, Physiology, Zoology (Kingsbury, Simpson, Reed) Ph.D.
- Stewart, George, B.S. (Utah Agr.) 1913, Logan, Utah
Farm Crops, Plant Breeding (Montgomery, Love) M.S. in Agr.
- Stobbs, William Malcolm, A.B. 1915, Ithaca
Anatomy, Histology and Embryology (Kerr, Kingsbury) A.M.
- Stork, Harvey Elmer, A.B. (Indiana State Normal) 1914, Huntingburg, Ind.
Botany (Mycology), Botany (Morphology and Embryology), Vertebrate Embryology, (Addison, Rowlee, Kingsbury) Ph.D.
- Story, Irving Chellis, B.S. (New Hampshire) 1915, Claremont, N. H.
Victorian Literature, American Literature (Northup, Prescott) A.M.
- †Stout, Alice Lucetta, A.B. (Vassar) 1916, Okot
[Adviser: W. Riley.]
- Strain, Clayton Preston, B.S. (Oregon Agr.) 1915, Pendleton, Ore.
Rural Economy, Politics, American History (Lauman, Orth, Hull) Ph.D.
- Staals, Herbert Milton, B.S. 1916, Brooklyn
Forest Policy, Forest Management (Hoamer, Recknagel) M.F.
- Supplee, George Cornell, B.S. 1913, Penn Yan
Bacteriology, Sanitary Chemistry, Biochemistry (Stocking, Chamot, Sumner) Ph.D.
- Sutton, Henry Bruner, A.B. 1916, Albion
Anatomy, Physiology (Kerr, Simpson) A.M.

Sutton, John E., jr., A.B. 1915, Anatomy, Physiology (Kerr, Dresbach)	Albion A.M.
Swabey, William Curtis, A.B. (Leland Stanford) 1915, Logic and Metaphysics, Ethics, Psychology (Creighton, Thilly, Weld)	Riverside, Ill. Ph.D.
Sweet, Alfred Henry, A.B. (Bowdoin) 1913; A.M. (Harvard) 1914, English History, Medieval History, English (Lunt, Burr, Strunk)	Portland, Me. Ph.D.
Sz-to, Sit Iu, A.B. 1915, Politica, Finance, Statistics, (Orth, Young, Willcox, Davenport)	Canton, China Ph.D.
†Taber, Carlotta Lowell, A.B. (Bryn Mawr) 1915, [Adviser: W. H. Chandler.]	Worcester, Mass.
Tan, Vidal A., B.A. (Univ. of the Philippines) 1913, Mathematics, Physics (Tanner, Nichols)	Manila, P. I. A.M.
Tanner, Herbert Giles, B.Sc. (Ottawa) 1915; M.S. (Nebraska) 1916, Physical Chemistry, Inorganic Chemistry, Physics (Bancroft, Dennis, Merritt)	St. Louis, Mo. Ph.D.
Tapke, Victor H., B.S. (Ohio State) 1914, Plant Pathology, Plant Physiology, Botany (Reddick, Whetzel, Knudson, Curtis, Wiegand)	Cincinnati, O. Ph.D.
Tapscott, Kenneth Arthur, B.S. 1915, Landscape Design, Drawing (Davis, Baker)	Roslyn M.L.D.
Taylor, Gilbert Morris, B.S. 1916, Silviculture (Bentley) Wood Preservation (Recknagel)	St. Paul, Minn. M.F.
Teas, Livingston Pierson, B.S. (Penn. State) 1916, Economic Geology, Mineralogy (Ries, van der Meulen)	Philadelphia, Pa. A.M.
Thomas, Cecil Calvert, A.B. (Wabash) 1912; M.A. (same) 1913, Botany (Algae), Plant Pathology, Biochemistry (Schramm, Whetzel, Reddick, Sumner)	Ithaca Ph.D.
†Thompson, Chester Noyes, B.A. (Pomona) 1916, [Adviser: H. O. Buckman.]	Highland, Cal.
Thompson, John Graham, B.Chem. 1915, Electro-Chemistry, Analytical Chemistry, Sanitary Chemistry (Bancroft, Lundell, Chamot)	Eau Claire, Wis. Ph.D.
Tilley, Norman Nevil, M.E. 1915, Experimental Engineering, Chemistry (Upton, Lundell)	Buffalo M.M.E.
Tisdale, Homer Bernard, B.S. (Alabama Polytechnic Inst.) 1911, B.S. in Agr. (same) 1913; M.S. in Agr. (same) 1916, Farm Crops, Plant Breeding (Montgomery, Love)	Auburn, Ala. M.S. in Agr.
Townsend, Prescott W., A.B., 1916, Ancient History, American History (Sill, Hull)	Middletown A.M.
††Townsend, Theodore Horton, B.S. 1917, Floriculture, Landscape Art (White, Curtis)	Elmira M.S. in Agr.
Traxel, Emma Jane, B.S. 1899, French, German Literature, German Philology (Comfort, Faust, Boesche)	Rome Ph.D.
Tressler, Donald Kiteley, A.B. (Michigan) 1913, Agricultural Chemistry, Organic Chemistry, Soils (Cavanaugh, Orndorff, Bizzell)	Montpelier, O. Ph.D.
Vance, Edward Hammond, B.S. (Worcester Polytechnic) 1913, Geometry, Mathematical Analysis (Snyder, McKelvey)	Worcester, Mass. A.M.
Vass, Alonzo Frederick, B.S. (Kan. State Agr.) 1909; M.S. (Wisconsin) 1911, Soil Technology, Plant Physiology, Farm Management (Lyon, Bizzell, Knudson, Curtis, Warren)	Glasco, Kan. Ph.D.
Vinton, Frances E., A.B. (Boston Univ.) 1904, Foods, Chemistry (Bancroft, Rose, Orndorff)	Bedford, N. J. A.M.
Volz, Emil Conrad, B.S. (Michigan Agr.) 1914, Floriculture, Plant Physiology (White, Knudson, Curtis)	Saginaw, Mich. M.S. in Agr.
von Schenk, Kurt, A.B. (Conn. Agr.) 1910; A.B. (Harvard) 1913, Rural Economy, Political Economy (Lauman, Usher)	Ithaca M.S. in Agr.
Wait, Justin Federal, M.E. 1916, Experimental Engineering, Physical Chemistry (Diederichs, Briggs)	New York City M.M.E.
Wann, Frank Burkett, A.B. (Wabash) 1914, Botany (Physiology), Plant Cytology, Biochemistry (Schramm, Sharp, Sumner)	Warsaw, Ind. Ph.D.
Warshaw, Herman, A.B. 1916, Finance and Accounting, Economics (Young, Davenport)	New York City A.M.
Watkins, Myron Webster, A.B. (Michigan) 1914, Economic Theory, History of Philosophy, Political Science (Young, Creighton, Orth)	Millford, Mich. Ph.D.
†Watters, Hyla Stowell, A.B. (Smith) 1915, [Adviser: A. Kerr.]	Atlanta, Ga.
†Webber, Eugene (Miss) B.S. 1915, [Adviser: Flora Rose.]	Riverside, Cal.
Weeks, Paul Thorne, B.A. (Oberlin) 1913, Experimental Physics, Theoretical Physics, Applied Electricity (Nichols, Merritt, Bedell)	Kipton, O. Ph.D.
de Wet, Charl Louis Roux, B.S. (Iowa State) 1916, Soil Technology, Geology, Plant Physiology (Bizzell, von Engeln, Curtis)	Cape Town, S. Africa Ph.D.
White, Ward Benjamin, A.B. 1908, Agricultural Chemistry, Sanitary Chemistry, Bacteriology (Cavanaugh, Chamot, Moore)	Ithaca Ph.D.
Whitney, Cass Ward, B.S. 1913, Pomology, Plant Breeding (Chandler, Gilbert, Emerson)	Ithaca M.S. in Ag.
Wichelns, Herbert August, A.B. 1916, Literary Criticism, Old English (Cooper, Monroe)	Brooklyn A.M.
††Wigdor, Meyer, B.S. 1917, Entomology, Plant Breeding (Riley, Barker)	New York City A.M.

- Wiggins, Inez Louise, A.B. (Smith) 1901; A.M. (Cornell) 1906, Warsaw, N. J.
 Victorian Literature, German Literature, Elizabethan Literature (Northup, Faust, Sampson) Ph.D.
- Wilds, George James, jr., B.A. (South Carolina) 1913, Ridgeway, S. C.
 Plant Breeding, Farm Management (Love, Warren) A.M.
- Williams, Paul D., A.B. (Oberlin) 1916, La Grange, Ill.
 Political Science, Economics (Orth, Davenport) A.M.
- Willis, Elias Root Beadle, A.B. (Pennsylvania) 1901; A.M. (Cornell) 1914, Ithaca
 Latin, Greek, Greek Archaeology (Bennett, Bristol, Andrews) Ph.D.
- Wilson, Benjamin Dunbar, B.S. (Kentucky State) 1909; M.S. (same) 1914, Lexington, Ky.
 Soil Technology, Physical Chemistry, Bacteriology (Lyon, Briggs, Stocking) Ph.D.
- Wilson, Birton Neill, M.E. (Michigan) 1909; B.Sc. M.E. (Georgia School of Technology) 1896, Fayetteville, Ark.
 Experimental Engineering, Industrial Engineering (Diederichs, Kimball) M.M.E.
- Woods, William Colcord, B.A. (Wesleyan) 1913, Orono, Me.
 Morphological Entomology, Economic Entomology, Zoology (Riley, Herrick, Reed) Ph.D.
- Working, Holbrook, A.B. (Denver) 1915, Takoma Pk., D. C.
 Economic Theory, Rural Economy, Economic History (Young, Lauman, Hull, Usher) Ph.D.
- Wright, Charles Horton, B.S. (Middlebury) 1916, Akron, O.
 Logic and Metaphysics, Ethics (Creighton, Albee, Hammond, Thilly) A.M.
- Wyckoff, Ralph W., B.S. (Hobart) 1916, Geneva
 Inorganic Chemistry, Physical Chemistry, Physics (Browne, Bancroft, Shearer) Ph.D.
- †Yamashita, Seitaro, Higher Technological School of Tokyo (1912), Tokyo, Japan
 [Adviser: H. Diederichs.]
- Yaxis, Themistocles George, B.S. (New Hampshire) 1914, Kingston, N. H.
 Dairy Industry, Animal Husbandry (Guthrie, Savage) M. S. in Agr.
- Yeh, Yu Liang, A.B. 1916, Ithaca
 Inorganic Chemistry, Electricity, Electro-Chemistry (Browne, Merritt, Briggs) Ph.D.
- Yih, Charles Robert, A.B. (Soochow) 1914; B.S. (same) 1915, Soochow, China
 Insect Morphology, Histology and Embryology, Systematic Entomology (Riley, Kingsbury, Johannsen) Ph.D.
- Young, Paul Thomas, A.B. (Occidental) 1914; A.M. (Princeton) 1915, Los Angeles, Cal.
 Psychology, Education, Physiology (Titchener, Foster, Simpson) Ph.D.
- Young, Wallace Shipman, B.S. 1916, Bayonne, N. J.
 Poultry Husbandry, Rural Economy (Benjamin, Lauman) M.S. in Agr.
- Zimm, Louis Arthur, B.S. 1916, New York City
 Plant Pathology, Silviculture (Rankin, Spring) M.F.

STUDENTS REGISTERED FOR GRADUATE WORK DURING THE SUMMER OF 1916

Abell, Max Flavel, B.S. 1914, Farm Crops, Botany, Farm Management (Montgomery, Wiegand, Warren)	Phoenix Ph.D.
Adamson, William Augustus, A.B. (Mercer) 1907, Organic Chemistry, Analytical Chemistry, Agricultural Chemistry (Orndorff, Lundell, Cavanaugh)	Ithaca Ph.D.
Alexander, Charles Paul, B.S. 1913, Limnology, Systematic Entomology, Systematic Botany (Needham, Bradley, Wiegand)	Gloversville Ph.D.
Alexander, Samuel Louis, B.S. 1916, Insect Morphology, Systematic Entomology (Riley, Johannsen)	Kansas City, Mo. A.M.
Anderson, Ernest Gustaf, B.S. (Nebraska) 1915, Plant Breeding, Plant Histology, Organic Chemistry (Emerson, Eames, Orndorff)	Concord, Neb. Ph.D.
Apgar, Clara Selkreg, A.B. 1905, Latin, Ancient History (Durham, Sill)	Ithaca A.M.
App, Frank, B.S. (Penn. State) 1911, Farm Management, Plant Physiology, Farm Crops (Warren, Knudson, Montgomery)	Ithaca Ph.D.
Bailey, John Wendall, A.B. 1916, Economic Entomology (Herrick, Matheson, Needham)	Jackson, Miss. A.M.
Baker, Vaughn Durrell, B.S. 1916, Farm Management, Animal Husbandry (Livermore, Wing)	Willsboro M.S. in Agr.
Banner, Erford Lynn, B.S. 1915, Poultry Husbandry, Embryology (Rice, Kingsbury)	Bainbridge M.S. in Agr.
Barber, Lanas Spurgeon, B.S. (Kentucky State) 1895, Entomology, Plant Pathology (Riley, Whetzel)	Tallahassee, Fla. A.M.
Bauder, Harry De Voe, B.S. 1914, Dairy Industry, Animal Husbandry (Troy, Wing)	Ithaca M.S. in Agr.
Beaumont, Arthur Bishop, B.S. (Kentucky State) 1908, Soil Technology, Physical Chemistry, Hydraulics (Buckman, Bizzell, Briggs, Schoder)	Monmouth, Ore. Ph.D.
Bechtel, Albert Reiff, B.S. (Pennsylvania) 1912; M.A. (same) 1913, Taxonomic and Ecological Botany, Plant Pathology, Plant Breeding (Wiegand, Fitzpatrick, Gilbert)	Royersford, Pa. Ph.D.
Bell, Enid Rose, A.B. (Ohio) 1916, Floriculture, Education, Rural Education (Lumsden, Works)	Athens, O. A.M.
†Bell, Helen Newell, A.B. (Brown) 1911; A.M. (same) 1912, [Adviser: H. C. Davidsen.]	Bristol, R. I.
Bell, Willard R., B.S. (Wesleyan) 1915, German, Philosophy (Davidsen, Wright.)	Leesport, Pa. A.M.
Benson, John Phineus, B.S. (Utah Agricultural College) 1915, Plant Physiology, Plant Pathology, Organic Chemistry (Knudson, Whetzel, Orndorff)	Logan, Utah Ph.D.
Besemer, Arthur Merle, B.S. 1913, Dairy Bacteriology, Pathogenic Bacteriology, Agricultural Chemistry (Stocking, Fitch, Cross)	Ithaca Ph.D.
Beziat, Mrs. Kate Bradley, A.B. (Vassar) 1892, French, Spanish (Comfort, Keniston)	Spencer A.M.
Bird, Royal Gould, B.S. 1916, Forest Utilization, Forest Mensuration (Recknagel, Bentley)	New York City M.F.
Blackwell, Carl Petty, B.S. (Oklahoma A. & M.) 1911; M. S. (Wisconsin) 1915, Soil Technology, Farm Crops, Plant Breeding (Bizzell, Montgomery, Love)	Austin, Tex. Ph.D.
Bodansky, Aaron, B.S. 1915, Dairy Bacteriology, Agricultural Chemistry, Pathogenic Bacteriology (Stocking, Cavanaugh, Moore)	New York City Ph.D.
Bohnakian, Sarkis, B.S. in Agr. (Wisconsin) 1914; M.S. in Agr. (Cornell) 1915, Plant Breeding, Plant Physiology, Floriculture (Love, Knudson, White)	Madison, Wis. Ph.D.
Bradley, George Hirst, B.S. 1916, Economic Entomology, Limnology (Matheson, Needham)	Hornell M.S. in Agr.
Brannon, James Marshall, B.A. (Univ. of North Dakota) 1907; A.M. (same), Plant Physiology, Botany, Limnology (Knudson, Sharp, Needham)	Ithaca Ph.D.
Bregger, Thomas, B.S. (Univ. of Illinois) 1910, Plant Breeding, Plant Physiology, Organic Chemistry (Emerson, Knudson, Orndorff)	Rock Island, Ill. Ph.D.
Brewster, Charles Stockton, B.S.A. (Oregon Agricultural College) 1913, Poultry Husbandry, Veterinary Science (Rice, Moore)	Corvallis, Ore. M.S. in Agr.
Brickman, Benjamin, B.S. 1916, Animal Husbandry, Farm Management (Wing, Harper, Livermore)	S. Fallsburgh M.S. in Agr.
Bridgman, J. Allington, B.Chem. 1914, Inorganic Chemistry, Physical Chemistry, Sanitary Chemistry (Dennis, Briggs, Chamot)	Ithaca Ph.D.
†Brooks, Florence Ada, A.B. (Ursinus) 1912, [Adviser: T. R. Briggs.]	Palmyra
du Buisson, Johannes Petrus, A.B. (Illinois) 1913; M.S.A. (same) 1914, Soil Technology, Plant Physiology, Physical Chemistry (Lyon, Knudson, Briggs)	Senekal, S. Africa Ph.D.
Bussell, Frank Pores, A.B. (Colgate) 1901, Plant Breeding, Plant Physiology, Soil Technology (Love, Knudson, Bizzell)	Ithaca Ph.D.
Campbell, Donald Stuart, B.S. 1916, Floriculture, Rural Economy (White, Lauman)	Detroit, Mich. M.S. in Ag.

- Carrick, Carey Walton, A.B. (Wake Forest) 1915, High Point, N. C.
Poultry Husbandry, Floriculture, Agricultural Chemistry (Benjamin, White, Cavanaugh) Ph.D.
- Carrick, Doak Bain, A.B. (Wake Forest) 1910, High Point, N. C.
Pomology, Organic Chemistry, Floriculture (Chandler, Orndorff, White) Ph.D.
- Chang, Tien Tsai, B.S. (Illinois) 1916, Canton, China
Animal Husbandry, Farm Crops (Maynard, Savage, Montgomery) M.S. in Agr.
- Chandler, Wallace Larkin, B.S. (California) 1914; M.S. (same) 1915, Ithaca
Entomology (Bacteriology), Sanitary Engineering, Sanitary Chemistry (Riley, Ogden, Chamot) Ph.D.
- Chapman, Royal Norton, B.A. (Minnesota) 1914; M.A. (same) 1915, St. Paul, Minn.
Insect Morphology, Insect Ecology, Vertebrate Morphology (Needham, Riley, Johannsen, Reed) Ph.D.
- Chipman, Ruth Ellen, A.B. 1910, Ithaca
Sanitary Chemistry, Organic Chemistry (Chamot, Orndorff) A.M.
- Claassen, Peter Walter, A.B. (Kansas) 1913; A.M. (same) 1915, Lawrence, Kan.
Biology, Morphology of Insects, Economic Entomology (Needham, Riley, Herrick) Ph.D.
- Clark, Charles Parsons, B.S. 1915, Skaneateles
Farm Management, Farm Crops (Warren, Montgomery) M.S. in Agr.
- Cole, Howard Irving, B.Chem. 1914, New Rochelle
Sanitary Chemistry, Inorganic Chemistry, Physical Chemistry (Chamot, Dennis, Bancroft) Ph.D.
- Connor, May Louise, A.B. (Vassar) 1907, Englewood, N. J.
Greek and Roman History, Medieval History (Sill, Burr) A.M.
- Cooney, Mrs. Margaret Sheerin, A.B. 1915, Ithaca
English Literature, Old English (Cooper, Monroe) A.M.
- †Cottrill, Delford Lee, B.S. (West Virginia) 1913, Athens, W. Va.
[Adviser: G. A. Works.]
- Covell, Albert Henry, A.B. (Rochester) 1912, Marathon
Education, Mathematics (Bristol, Owens) A.M.
- Craugh, Joseph P., A.B. (Holy Cross) 1914, Penn Yan
Latin, German (Durham, Davidsen) A.M.
- Dann, Archie Byron, B.S. 1914, Ithaca
Poultry Husbandry, Animal Husbandry, Agricultural Chemistry (Rice, Maynard, Savage, Cross) Ph.D.
- Darst, Williard Holden, B.S. (Ohio State) 1910, State College, Pa.
Farm Crops, Botany (Montgomery, Knudson) M.S. in Agr.
- Davis, Frederick Archibald, B.S. 1916, Fort Edward
Landscape Design, Drawing, Water Color (Davis, Baker) M.L.D.
- Deatrick, Eugene Peyton, A.B. (Franklin and Marshall) 1911, Kutztown, Pa.
Soil Technology, Physical Chemistry, Organic Chemistry (Buckman, Bizzell, Briggs, Orndorff) Ph.D.
- Deevers, Roland Gilliford, A.B. (Westminster) 1902; A.M. (same) 1906, Pittsburgh, Pa.
Ancient History, American History (Sill, Bretz) A.M.
- De Mott, Henry Vroom, B.S. 1915, Metuchen, N. J.
Pomology, Botany (Chandler, Wiegand) M.S. in Agr.
- Dunwoody, Halsey, B.S. (George Washington) 1905; U. S. Military Academy) 1913, West Point
Radio-Engineering, Experimental Physics (Shearer, Richtmyer) M.M.E.
- Dusham, Edward Henry, A.B. (Dartmouth) 1910; M.S. (Pennsylvania State) 1915, State College, Pa.
Economic Entomology, Insect Morphology, Insect Ecology (Herrick, Riley, Needham) Ph.D.
- Dynes, Oliver Wesley, B.S. (N. Dak. Agricultural College) 1907; M.S. in Agr. (Cornell) 1912, Fargo, N. D.
Farm Crops, Plant Breeding, Soils (Montgomery, Love, Bizzell) Ph.D.
- Engelder, Carl John, A.B. (1913); B.Chem. (1914), Ithaca
Physical Chemistry, Inorganic Chemistry, Economic Geology (Bancroft, Browne, Ries) Ph.D.
- †Ensign, Martin Russell, B.S. (Utah Agricultural College) 1912, Brigham City, Utah
[Adviser: Lewis Knudson.]
- Erskine, Archibald Mortimer, B.Chem. 1914, New Brighton
Inorganic Chemistry, Physical Chemistry, Organic Chemistry (Browne, Briggs, Orndorff) Ph.D.
- Falconer, Cyrus, A.B. (Haverford) 1915, Darling, Pa.
Plant Breeding, Pomology (Myers, Chandler) A.M.
- Farnham, Edith Anna, A.B. (Wellesley) 1914, West Newton, Mass.
English History, English Literature (Lunt, Prescott) A.M.
- Fehr, William Henry, A.B. (Muhlenberg) 1897, Dushore, Pa.
Philosophy, German (Wright, Boesche) A.M.
- Fisher, Mary Jones, A.B. 1906, Denton, Md.
Botany, Zoology (Wiegand, Reed) A.M.
- Fleming, Carrie Orr, B.A. (Barnard) 1910, Brooklyn
American History, Ancient History (Bretz, Sill) A.M.
- †Forchheimer, Estelle, A.B. (Normal N. Y. C.) 1893; M.P.D. (New York University) 1896, New York City
[Adviser: W. K. Wright.]
- Foresman, Edwin Clyde, A.B. (La Fayette) 1911, Lawrenceville, N. J.
English History, American History (Lunt, Bretz) A.M.
- †Francis, Irwin Torrence, A.B. 1912, Ithaca
[Adviser: G. A. Works.]
- Frost, Stuart Ward, B.S. 1915, Tarrytown
Economic Entomology, Systematic Entomology, Zoology (Matheson, Bradley, Wright) Ph.D.

- Fulton, Louis, B.S. (Hamilton) 1915, Massena
Biology, Physics (Needham, Blaker) A.M.
†Galloway, Thomas O., B.S. (Univ. of Georgia) 1909, Barnsville, Ga.
[Adviser: K. C. Livermore.]
Gates, Edmund Jayne, A.B. 1915, Wilkesbarre, Pa.
English History, Roman Law (Lunt, Sill) A.M.
†Giles, John Kyrgess, B.S.A. (Georgia State) 1909, Athens, Ga.
[Adviser: K. C. Livermore.]
Goldberg, Samuel Alexander, D.V.M. (1914); A.M. (1916), Ithaca
Pathology, Bacteriology, Physiology (Burnett, Moore, Simpson) Ph.D.
Goodrich, Joseph Ezra, B.S. (New Hampshire State) 1904, Brunswick, Me.
Animal Husbandry, Dairy Industry (Savage, Stocking) M.S. in Agr.
Grier, Lucie, B.S. (Florida State College for Women) 1914; M.S. (same) 1914, Palm Beach, Fla.
Entomology (Parasitology), Bacteriology, Insect Ecology, (Riley, Fitch, Johannsen) Ph.D.
Grimm, Jay John, B.S. (Grinnell) 1910, Gainesville, Fla.
Plant Physiology, Plant Pathology, Agricultural Chemistry (Knudson, Whetzel, Cross) Ph.D.
Grossman, Jacob, B.S. 1916, New York City
Plant Breeding, Botany (Emerson, Wiegand) M.S. in Agr.
Hadley, Charles Harvey, jr., B.S. (New Hampshire) 1912, Ithaca
Insect Morphology, Systematic Entomology (Riley, Bradley) A.M.
Halbert, Anna Evelina, B.A. (Adelphi) 1908, Richmond Hill
Philosophy, English (Wright, ———) A.M.
Hardenburg, Earle Volcart, B.S. 1912, Brocton
Farm Crops, Plant Breeding, Farm Management (Montgomery, Myers, Warren) Ph.D.
Harvey, Lew Ellsworth, B.S. 1914, Marathon
Farm Management, Poultry Husbandry, Meteorology (Thompson, Livermore, Rice, Wilson) Ph.D.
Hayes, John Barry, B.S. (Wisconsin) 1914, Madison, Wis.
[Adviser: E. W. Benjamin.]
Heinicke, Arthur John, B.S. in Agr. (Missouri) 1913; M.A. (same) 1914, Ithaca
Pomology, Plant Physiology, Botany (Chandler, Knudson, Eames) Ph.D.
Hepner, Harry W., A.B. (Muhlenberg) 1916, Sunbury, Pa.
Pomology, Histology (Botany), Taxonomy (Botany) (Chandler, Eames, Wiegand) Ph.D.
Herrick, Millie B., A.B. (Elmira) 1894, Binghamton
American Literature, Old English (Bailey, Monroe) A.M.
Hess, Walter Norton, A.B. (Oberlin) 1913; A.M. 1916, Great Valley
Insect Morphology, Economic Entomology, Zoology (Riley, Herrick, Reed) Ph.D.
Heuser, Gustav Frederick, B.S. 1915; M.S. in Agr. 1916, Buffalo
Poultry Husbandry, Rural Education, Histology and Embryology (Rice, Works, Fraser, Kingsbury) Ph.D.
Hochheimer, Rita, A.B. (Barnard) 1909, New York City
German Literature, German Philology (Davidsen, Boesche) A.M.
†Hoefler, Albert, B.S. 1916, Elmira
[Adviser: G. A. Works.]
Hopkins, Edwin Fraser, B.S. 1915, Buffalo
Plant Pathology, Plant Physiology, Physical Chemistry (Whetzel, Knudson, Briggs) Ph.D.
Hunn, Chester Jermain, B.S. 1908, Ithaca
Plant Breeding, Floriculture, Pomology (Emerson, Beal, Chandler) Ph.D.
Jacobs, Adeline Hyneman, B.S. (Pennsylvania) 1902, Philadelphia, Pa.
Botany, Inorganic Chemistry (Atkinson, Browne) A.M.
Jennings, David Stout, B.S. (Utah Agr.) 1912, Hinckley, Utah
Soils, Physiography, Physical Chemistry (Buckman, Bizzell, von Engeln, Briggs) Ph.D.
Johnson, Edgar Blauvelt, B.Chem. 1915, Tarrytown
Inorganic Chemistry, Organic Chemistry, Quantitative Analysis (Dennis, Orndorff, Lundell) Ph.D.
Kenerson, Albert Scott, B.S. 1915, Buffalo
Plant Breeding, Floriculture (Barker, White) M.S. in Agr.
Kennedy, Clarence Hamilton, A.B. (Indiana) 1902; A.M. (Stanford) 1914, Rockport, Ind.
Insect Morphology, Systematic Entomology, Vertebrate Zoology (Needham, Riley, Johannsen, Reed) Ph.D.
Kirkpatrick, Ellis L., B.S.A. (Iowa State) 1914, South English, Ia.
Farm Management, Plant Physiology (Livermore, Thompson, Warren, Knudson) M.S. in Agr.
Knight, Harry Hazelton, B.S. 1914, Ithaca
Economic Entomology, Insect Ecology, Limnology (Herrick, Johannsen, Needham) Ph.D.
Knowlton, Harry E., B.S. (Michigan Agr.) 1912, Fennville, Mich.
Plant Physiology, Plant Breeding, Pomology (Knudson, Gilbert, Chandler) Ph.D.
Koch, Catharine Elizabeth, B.S. (Michigan Agricultural College) 1909; A. M. (Cornell) 1915, Buffalo
Landscape Art, Biology (Davis, Needham) M.L.D.
Koller, Joseph Peter, B.Chem. 1912, Ithaca
Inorganic Chemistry, Organic Chemistry, Physical Chemistry (Dennis, Orndorff, Bancroft) Ph.D.
Lackie, Harry M., B.S. in Agr. (Iowa State) 1915, Bradford, Ill.
Poultry Husbandry, Rural Education (Rice, Works) M.S. in Agr.
LaFollette, Rollin J., A.B. (Pomona) 1915, Highland, Cal.
Economic Entomology, Plant Pathology (Herrick, Healer) A.M.
Lanier, Ernest Monnot, B.S. (Louisiana State) 1915, Napoleonville, La.
Farm Crops, Farm Management (Montgomery, Livermore) M.S. in Agr.
Lauritzen, John Irwin B.S. (Utah Agr. College) 1913, Moroni, Utah
Plant Physiology, Plant Pathology, Physical Chemistry (Knudson, Reddick, Briggs) Ph.D.

- Leathers, Adelbert Llewellyn, Ph.B. (Wesleyan) 1907,
Limnology Insect Ecology, General Zoology (Needham, Johannsen, Reed) S. Orrington, Me.
Lindstrom, Ernest Walter, A.B. (Wisconsin) 1914, Chicago, Ill. Ph.D.
Plant Breeding, Plant Physiology, Pomology (Emerson, Knudson, Chandler) Ph.D.
Lobdell, Richard Nugent, B.S. (Miss. A. & M.) 1910; M.S. (same) 1912, Rosedale, Miss. Ph.D.
Limnology, Zoology, Botany (Embrey, Reed, Wiegand) Ph.D.
†Lucas, Florence, B.S. (California) 1913, Ithaca
[Adviser: D. Lumsden.]
McKinney, Asa E., A.B. (Indiana) 1914; A.M. (same) 1915, Scircerville, Ind.
Inorganic Chemistry, Physical Chemistry, Agricultural Chemistry (Browne, Bancroft, Ph.D.
Cavanaugh) Guelph, Ont. Ph.D.
McRostie, Gordon P., B.S.A. (Toronto) 1912, Oberlin, O. Ph.D.
Plant Breeding, Plant Pathology, Soil Technology (Emerson, Barrus, Bizzell) Ph.D.
MacDaniels, Lawrence Howland, A.B. (Oberlin) 1912, Oberlin, O. Ph.D.
Botany, Plant Pathology, Pomology (Eames, Reddick, Chandler) Ph.D.
MacIntire, Walter Hoge, B.S. (North Carolina A. & M. College) 1905; M.S. (Pennsylvania State) Knoxville, Tenn.
1909, Knoxville, Tenn.
Soil Technology, Physical Chemistry, Physical Geography (Lyon, Bizzell, Briggs, von Engel) Ph.D.
MacMonagle, Ruth Vesta, A.B. (St. Lawrence) 1907, Canton A.M.
German Literature, German Philology (Davidsen, Boesche) New York City A.M.
Marks, Ruth Gladys, A.B. (Hunter College) 1913, American Fork, Utah Ph.D.
German Literature, German Language (Davidsen, Boesche) Ph.D.
Martin, Thomas Lysons, B.A. (Brigham Young) 1912, American Fork, Utah Ph.D.
Soil Technology, Plant Physiology, Bacteriology (Lyon, Bizzell, Knudson, Fitch) Ph.D.
Meade, DeVoe, B.S. (Pennsylvania State) 1911, Ithaca Ph.D.
Animal Husbandry, Farm Management, Plant Breeding (Wing, Warren, Myers) Ph.D.
Metcalf, Franklin Post, B.A. (Oberlin) 1913, Talladega, Ala. Ph.D.
Botany, Pomology, Zoology (Wiegand, Chandler, Wright) Ph.D.
Millen, Frederic Hartwell, B.S. 1915, Ithaca M.F.
Silviculture, Plant Pathology (Spring, Bentley, Rankin) Ithaca M.F.
Millen, Mabel Gertrude Beckley, B.S. 1915, Dairyland Ph.D.
Silviculture, Economic Entomology (Spring, Recknagel, Matheson) Ph.D.
Misner, Edward Gardner, B.S. 1913, West Henrietta M.S. in Agr.
Farm Management, Animal Husbandry, Dairy Industry (Warren, Livermore, Savage, Ross) Black Run, Ohio A.M.
Moore, Clarence William, B.S. 1916, Rochester
Plant Breeding, Botany (Barker, Wiegand) West Henrietta M.S. in Agr.
Moran, Clement, A.B. (Defiance) 1910, Black Run, Ohio A.M.
Physics, Chemistry (Blaker, Orndorff) Rochester
†Moskowitz, Jay, B.S. (Rochester) 1913, Rochester
[Adviser: E. G. Davis.]
Munz, Philip Alexander, A.B. (University of Denver) 1913; A.M. (same) 1914, Denver, Col. Ph.D.
Biology, Botany, Plant Breeding (Needham, Wiegand, Gilbert) Scranton, Pa.
†Musgrave, George Wallace, B.S. 1915; M.S. in Agr. 1915, Ithaca
[Adviser: Dexter S. Kimball.]
Myers, William Irving, B.S. 1914, Ithaca Ph.D.
Farm Management, Animal Husbandry, Political Science (Thompson, Livermore, Wing, Willcox) Tokyo, Japan A.M.
Nakahara, Waro, B.S. (Tokyo Agr. College) 1915, Tokyo, Japan A.M.
Insect Morphology, Systematic Entomology (Riley, Needham) Ithaca Ph.D.
Nanz, Ralph Simpson, B.S. 1912, Ithaca Ph.D.
Plant Physiology, Botany (Taxonomy), Physical Chemistry (Knudson, Wiegand, Briggs) Ph.D.
Newton, Lester Charles, A.B. (Hamilton) 1908, Blairstown, N. J. A.M.
German Literature, German Philology (Pope, Boesche) Shila, Pa. A.M.
Nicholas, Miss Helen Grace, A.B. 1914, Ithaca Ph.D.
German, ———, (Davidsen, Boesche) Ithaca Ph.D.
Noble, Clarence Vernon, B.S. 1916, Farm Management, Farm Crops, Animal Husbandry (Livermore, Warren, Montgomery, Savage) Norwich A.M.
Oagley, Edith Brooke, Ph.B. (Syracuse) 1910, Norwich A.M.
English History, American History (Lunt, Bretz) Orono, Me. M.S. in Agr.
Oaler, Harold Scott, B.S. (Muskingum) 1909; B.S. (Michigan Agricultural College) 1913, Harrisonville, Mo. Ph.D.
Farm Crops, Plant Physiology (Montgomery, Knudson) Brooklyn A.M.
Overholser, Earle Long, B.S. in Agr. (Missouri) 1913; M.A. (same) 1914, New York City
Pomology, Botany, Plant Physiology (Chandler, Wiegand, Knudson) New York City
Panoff, Emanuel, B.S. 1916, Norwood, Pa. M.S. in Agr.
Economic Entomology, Plant Physiology (Matheson, Herrick, Knudson) Brooklyn A.M.
†Patterson, George William, B.S. (New York University) 1916, Moore's Hill, Ind. M.S. in Agr.
[Adviser: Wm. S. Foster.] Mayville M.S. in Agr.
Payne, William Yarnall, B.S. in C.E. (Pennsylvania) 1913, Mayville M.S. in Agr.
Floriculture, Landscape Art (Beal, Curtis) Mayville M.S. in Agr.
Pearson, George Martin, M.E. 1915, Mayville M.S. in Agr.
Illumination, Physics (Richtmyer, Blaker) Mayville M.S. in Agr.
Phillips, Cyrus Grammer, A.B. (Nebraska State) 1912, Mayville M.S. in Agr.
Farm Management, Rural Economy (Livermore, Lauman) Mayville M.S. in Agr.
Phillips, La Verne Samuel, B.S. 1916, Mayville M.S. in Agr.
Farm Crops, Farm Management (Montgomery, Warren) Mayville M.S. in Agr.

- Ping, Chih, B.S. 1913, Kai Feng, Ho-Nan, China
Biology, Entomology, Vertebrate Zoology (Needham, Johannsen, Reed) Ph.D.
- †Pitts, James Townsend, B.S. 1915, Nunda
[Adviser: G. A. Works.]
- Pond, Martha, A.B. (Chicago) 1907, Springboro, Pa.
Potter, George Frederick, B.S.A. (Wisconsin) 1913; M.S. in Agr. (same) 1916, Madison, Wis.
Plant Breeding, Plant Physiology, Pomology (Emerson, Knudson, Chandler) Ph.D.
- †Prucha, Edward Joseph, B.S. (Wisconsin) 1915, River Falls, Wis.
[Adviser: G. A. Works.]
- †Prucha, Katharine Schladweiler, B.A. (Wisconsin) 1911, River Falls, Wis.
[Adviser: M. Van Rensselaer.]
- Purdy, Dorman Steele, B.S. 1916, Ithaca
Biology, Lit. nology, Systematic Vertebrate Zoology (Embrey, Needham, Wright) Ph.D.
- Raferty, Esther Kathryn, B.A. (N. Y. State Normal) 1911, Sherburne
Botany, Plant Pathology (Wiegand, Whetzel) A.M.
- †Randolph, Lowell Fitz, Ph.B. (Alfred) 1916, Alfred
[Adviser: G. A. Works.]
- Ransom, Pearl Euphema, A.B. 1909, Schenectady
German Literature, German Philology (Davidsen, Boesche) A.M.
- Reidy, Margaret Mary, A.B. 1908, Ithaca
Botany, Entomology (Wiegand, Needham) A.M.
- †Rhodes, Gilbert Saxton, B.S. 1916, Ithaca
[Adviser: J. Bentley, jr.]
- Richmond, Edward Avery, B.S. (Dartmouth) 1912, Brockton, Mass.
Limnology, Insect Morphology, Systematic Entomology (Needham, Riley, Bradley) Ph.D.
- Ries, Victor Heinrich, B.S. 1915, Ithaca
Floriculture, Botany (Beal, Eames) M.S. in Agr.
- Robert, Joseph Clarke, B.S. (Mississippi A. & M. College) 1895; M.S. (same) 1900, Agricultural College, Miss.
Agricultural Chemistry, Pathology and Bacteriology, Farm Crops (Cavanaugh, Moore, Montgomery) Ph.D.
- Roper, Frank Adams, B.S. 1915; M.S. 1916, Owego
Farm Management, Animal Husbandry, Economics (Livermore, Wing, Young) Ph.D.
- Rudkin, Charles Nathan, B.S. (Wesleyan) 1915, Middletown
Biochemistry, Inorganic Chemistry, Physiology (Sumner, Browne, Simpson) Ph.D.
- St. John, Emily Porter, A.B. (Elmira) 1890, Brooklyn
Ethics, Economics (Wright, Turner) A.M.
- Sanborn, Helen A., B.A. (Minnesota) 1911, Minneapolis, Minn.
[Adviser: J. G. Needham.]
- Scheetz, Francis Harley, A.B. 1915, Norristown, Pa.
Inorganic Chemistry, Physical Chemistry (Browne, Bancroft) A.M.
- von Schenk, Kurt, A.B. (Connecticut Agr.) 1910; A.B. (Harvard) 1913, Ithaca
Rural Economy, Political Economy (Lauman, Usher) M.S. in Agr.
- Scott, Joseph Prestwich, D.V.M. (Ohio State) 1914, Manchester, England
Veterinary Physiology, Comparative Pathology (Fish, Moore) A.M.
- Soulke, Karl John, B.S. (Purdue) 1913; M.S. (Pennsylvania State) 1914, Ithaca
Animal Husbandry, Animal Nutrition, Market Poultry (Wing, Savage, Benjamin) Ph.D.
- Severance, Mildred, A.B. 1915, Buffalo
Floriculture, Advanced Photography (White, Moler) A.M.
- Smith, Harland Leander, B.S. 1916, Auburn
[Adviser: G. A. Works.]
- Smith, Raymond Stratton, B.S. (Pomona) 1907; B.S. (Illinois) 1913; M.S. (Penn. State) 1916, State College, Pa.
Soils, Geology, Plant Physiology (Bizzell, von Engeln, Knudson) Ph.D.
- Smith, Roger Cletus, A.B. (Miami) 1911; M.A. (Ohio State) 1915, Ithaca
Entomology, Parasitology, General Zoology (Needham, Riley, Reed) Ph.D.
- Snow, Miss Martha B., A.B. (Syracuse) 1912, Boonville
German Literature, German Philology (Davidsen, Jonas) A.M.
- Snyder, Robert Mifflin, B.S. (Michigan Agr.) 1914, E. Lansing, Mich.
Soil Technology, Plant Physiology, Physical Chemistry (Lyon, Bizzell, Knudson, Briggs) Ph.D.
- Sponable, Earl I., B.Chem. 1916, Burlington Flats
Stewart, John A. Mueller, A.B. (Allegheny) 1912, Beaver, Pa.
Organic Chemistry, Analytical Chemistry (Orndorff, Lundell) A.M.
- Stultz, Herbert Milton, B.S. 1916, Brooklyn
Forest Policy, Forest Botany (Hoerner, Eames) M.F.
- Supplee, George Cornell, B.S. 1913, Penn Yan
Bacteriology, Sanitary Chemistry, Biochemistry (Stocking, Chamot, Sumner) Ph.D.
- Talbot, Ralph Lee, B.S. (Bucknell) 1913, Indiana, Pa.
Tapke, Victor H., B.S. (Ohio State) 1914, Cincinnati, O.
Plant Pathology, Plant Breeding, Botany (Reddick, Whetzel, Myers, Wiegand) Ph.D.
- Taylor, Gilbert Morris, B.S. 1916, St. Paul, Minn.
Silviculture (Bentley) M.F.
- Thomas, Cecil Calvert, A.B. (Wabash) 1912; M.A. (same) 1913, Ithaca
Botany (Histology), Plant Pathology, Biochemistry (Schramm, Reddick, Sumner) Ph.D.
- †Thomas, Ray Hilman, A.B. (Kentucky State) 1913, Buffalo
[Adviser: G. A. Works.]
- Thompson, John Graham, B.Chem. 1915, Eau Claire, Wis.
Electro Chemistry, Analytical Chemistry, Sanitary Chemistry (Bancroft, Lundell, Chamot) Ph.D.

- Toll, Oliver, A.B. (Williams) 1913, Psychology, Educational Psychology (Boring, Fraser) Denver, Col. A.M.
- Tressler, Donald Kiteley, A.B. (Michigan) 1913, Agricultural Chemistry, Organic Chemistry, Soils (Cavanaugh, Orndorff, Bizzell) Montpelier, O. Ph.D.
- Triester, Bertha, A.B. (Western Reserve) 1910, German, Spanish (Keniston, Boesche) Cleveland, O. A.M.
- Trosten, Sophie, B.A. (Hunter) 1913, French, Spanish (Comfort, Keniston) New York City A.M.
- Turner, Thomas Wyatt, A.B. (Howard) 1901, Plant Physiology, Plant Breeding, Plant Pathology (Knudson, Emerson, Whetzel) Washington, D. C. Ph.D.
- Tyndall, Edward P. T., B.A. (Richmond) 1912, Physics, Mathematics (Richtmyer, Sharpe) Richmond, Va. A.M.
- Van Dyck, Miriam Hasbrouck, A.B. (Vassar) 1912, German Literature, German Philology (Davidsen, Boesche) Newark A.M.
- Vann, Mary Hasseltine, A.B. 1912, Mathematical Analysis, Geometry (Hurwitz, Snyder) Aulander, N. C. A.M.
- Vass, Alonzo Frederick, B.S. (Kansas State Agr.) 1909; M.S. (Wisconsin) 1911, Soil Technology, Plant Physiology, Farm Management (Lyon, Bizzell, Knudson, Warren) Glasco, Kan. Ph.D.
- Vick, Harry Elias, B.S. (Bethel College) 1905; M.S. (same) 1906, Limnology, Insect Morphology, Aquiculture (Needham, Riley, Embury) Louisville, Ky. Ph.D.
- Volz, Emil Conrad, B.S. (Michigan Agr.) 1914, Floriculture, Plant Physiology (White, Knudson) Saginaw, Mich. M.S. in Agr.
- Wagner, Russell H., A.B. (Monmouth) 1915, Latin, German (Durham, Pope) Dayton, O. A.M.
- Walker, Miss Lena Belle, A.B. (Pacific University) 1901; A.M. (Nebraska) 1908, Botany (Mycology), Plant Pathology, Plant Histology (Atkinson, Whetzel, Eames) Lincoln, Neb. Ph.D.
- Warner, Selden R., B.S. (William and Mary) 1911, Systematic Botany, Plant Ecology (Wiegand, Rowlee) Dunnsville, Va. M.S. in Agr.
- Weir, Wilbert Walter, B.S. (Wisconsin) 1908, Soil Technology, Plant Physiology (Buckman, Knudson) Madison, Wis. M.S. in Agr.
- Weissman, Sarah Lalla, B.S. 1915, Insect Ecology, Dairy Bacteriology (Needham, Stocking) Ithaca M.S. in Agr.
- Weitman, Elizabeth, A.B. (Hunter College) 1913, German Literature, German Language (Davidsen, Boesche) Brooklyn A.M.
- Welsh, Maude E., A.B. (Syracuse) 1912, Mathematics, Physics (Owens, Merritt) Morristown, N. J. A.M.
- Wentz, John Budd, B.S.A. (North Dakota Agr.) 1913, Farm Crops, Plant Breeding (Montgomery, Love) Chariton, Ia. M.S. in Agr.
- Wherry, Helen Marie, B.S. (Pennsylvania) 1907, Botany (Taxonomy), Physical Geography (Wiegand, von Engeln) Philadelphia, Pa. M.S. in Agr.
- †Whippen, Charles Warren, B.S. (Mass. Agr.) 1914, [Adviser: Ross.] Lynn, Mass.
- Wiggans, Roy Glen, B.S. (Missouri) 1914; M.S. (Cornell) 1915, Farm Crops, Plant Breeding, Plant Physiology (Montgomery, Knudson, Love) Columbia, Mo. Ph.D.
- Wilds, George James, jr., B.A. (University of South Carolina) 1913, Plant Breeding, Farm Management (Love, Warren) Ridgeway, S. C. A.M.
- Willcox, Harry J., A.B. 1915; A.M. 1915, American Literature, English Drama, French Literature (Prescott, Sampson, Mason) Forest Home Ph.D.
- Wilson, Benjamin Dunbar, B.S. (Kentucky State) 1909; M.S. (Kentucky State) 1914, Soil Technology, Physical Chemistry, Bacteriology (Lyon, Bizzell, Stocking) Lexington, Ky. Ph.D.
- Wright, William Harmon, B.S. (Purdue) 1908; M.S. (Wisconsin) 1909, Dairy Industry, Bacteriology and Pathology, Plant Physiology (Stocking, Moore, Robbins) Madison, Wis. Ph.D.
- Yih, Charles Robert, A.B. (Soo Chow) 1914; B.S. (same) 1915, Insect Morphology, Limnology (Riley, Needham) Soo Chow, China A.M.
- Young, Benjamin Percy, B.S. (Kansas) 1908, Ecology, Parasitology, Economic Entomology (Needham, Riley, Herrick) Lawrence, Kan. Ph.D.

COLLEGE OF ARTS AND SCIENCES

FACULTY

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THILLY, FRANK, A.B., Ph.D., LL.D., Dean of the College, and Professor of Philosophy.

MORRIS, EDGAR STANLEY, A.B., Secretary of the College.

ADAMS, JOSEPH QUINCY, jr., Ph.D., Assistant Professor of English.

ALBEE, ERNEST, Ph.D., Professor of Philosophy.

ALLEN, ARTHUR AUGUSTUS, Ph.D., Assistant Professor of Ornithology.

ANDERSON, ROSS PETER, Ph.D., Assistant Professor of Chemistry.

ANDREWS, ALBERT LEROY, Ph.D., Instructor in German and Scandinavian.

ANDREWS, EUGENE PLUMB, A.B., Assistant Professor of Archæology.

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BAILEY, ELMER JAMES, Ph.D., Assistant Professor of English.

BALDWIN, DANE LEWIS, M.A., Instructor in English.

BANCROFT, WILDER DWIGHT, Ph.D., Professor of Physical Chemistry.

BEAN, WARD C., B.S., Instructor in Geology.

BEDELL, FREDERICK, Ph.D., Professor of Applied Electricity.

BENNETT, CHARLES EDWIN, A.B., Litt.D., Goldwin Smith Professor of Latin.

BETZ, HERMANN, A.B., Instructor in Mathematics.

BIDWELL, CHARLES CLARENCE, A.B., Instructor in Physics.

BLAKER, ERNEST, Ph.D., Assistant Professor of Physics.

BOESCHE, ALBERT WILHELM, Ph.D., Professor of German.

BORING, EDWIN GARRIGUES, Ph.D., Instructor in Psychology.

BOULTER, LEWIS HENRY, A.M., Instructor in English.

BOWN, RALPH A., M.E., Instructor in Physics.

BRADLEY, JAMES CHESTER, Ph.D., Assistant Professor of Systematic Entomology.

BRADLEY, JESSE FRANKLIN, A.B., Instructor in English.

BRETZ, JULIAN PLEASANT, Ph.D., Professor of American History.

BRIGGS, THOMAS ROLAND, Ph.D., Assistant Professor of Physical Chemistry and Electro-Chemistry.

BRISTOL, GEORGE PRENTICE, A.M., Professor of Greek and Head of the Department of Greek, Director of the Summer Session.

BROUGHTON, LESLIE NATHAN, Ph.D., Assistant Professor of English.

BROWN, THOMAS BENJAMIN, A.B., Instructor in Physics.

BROWNE, ARTHUR WESLEY, Ph.D., Professor of Inorganic and Analytical Chemistry.

BUNDY, MURRAY WRIGHT, A.M., Instructor in English.

BURR, GEORGE LINCOLN, A.B., Litt.D., Professor of Medieval History.

CAMPBELL, ROBERT ARGYLL, A.B., Lecturer in Economics.

CANFIELD, (MISS) ELIZABETH B., Instructor in Physical Training.

CARPENTER, JAMES MCFADDEN, jr., A.M., Instructor in the Romance Languages and Literatures.

CARROLL, CHARLES ANTONINUS, A.B., Instructor in English.

CARVER, WALTER BUCKINGHAM, Ph.D., Assistant Professor of Mathematics.

- CAVANAUGH, GEORGE WALTER, B.S., Professor of Agricultural Chemistry.
- CHAMOT, EMILE MONNIN, Ph.D., Professor of Chemical Microscopy and Sanitary Chemistry.
- COLUCCI, FRANK, A.B., Instructor in the Romance Languages and Literatures.
- COMA, ANTONIO S., Instructor in the Romance Languages and Literatures.
- COMFORT, WILLIAM WISTAR, Ph.D., Professor of the Romance Languages and Literatures, and Head of the Department.
- COMSTOCK, JOHN HENRY, B.S., Professor of Entomology and General Invertebrate Zoology, Emeritus.
- COOPER, LANE, Ph.D., Professor of the English Language and Literature.
- CRAIG, CLYDE FIRMAN, Ph.D., Assistant Professor of Mathematics.
- CRANE, THOMAS FREDERICK, Ph.D., Litt.D., Professor of the Romance Languages and Literatures, Emeritus.
- CREIGHTON, JAMES EDWIN, Ph.D., LL.D., Sage Professor of Logic and Metaphysics, and Dean of the Graduate School.
- DALLENBACH, KARL M., A.M., Ph.D., Instructor in Psychology.
- DANN, HOLLIS ELLSWORTH, Mus.D., Professor of Music.
- DAVENPORT, HERBERT JOSEPH, Ph.D., Professor of Economics.
- DAVIDSEN, HERMANN CHRISTIAN, Ph.D., Assistant Professor of German.
- DAVIS, HENRY KENNEDY, A.B., Instructor in Anatomy.
- DEGARMO, CHARLES, Ph.D., Professor of the Science and Art of Education, Emeritus.
- DENNIS, LOUIS MUNROE, Ph.B., B.S., Professor of Inorganic Chemistry, and Head of the Department of Chemistry.
- DRESBACH, MELVIN, M.S., M.D., Assistant Professor of Physiology.
- DRUMMOND, ALEXANDER M., A.M., Assistant Professor of Public Speaking.
- DURHAM, CHARLES LOVE, Ph.D., Professor of Latin.
- ELMER, HERBERT CHARLES, Ph.D., Professor of Latin.
- ELSTON, ELLSWORTH DAVID, A.M., Instructor in Geology.
- VON ENGELN, OSCAR DIEDERICH, Ph.D., Assistant Professor of Physical Geography.
- ENGLISH, DONALD, M.B.A., Assistant Professor of Economics.
- FAUST, ALBERT BERNHARDT, Ph.D., Professor of German and Head of the Department of German.
- FISKE, FREDERIC EBELL, A.B., Instructor in English.
- FOSTER, WILLIAM SILLIMAN, Ph.D., Assistant Professor of Education.
- GABA, MEYER G., Ph.D., Instructor in Mathematics.
- GAGE, SIMON HENRY, B.S., Professor of Histology and Embryology, Emeritus.
- GEORGIA, FREDERICK RAYMOND, B.Chem., Instructor in Chemistry.
- GERMANN, FRANK E. E., A.B., Instructor in Physics.
- GIBBS, ROSWELL CLIFTON, Ph.D., Assistant Professor of Physics.
- GILBERT, ALLAN H., Ph.D., Instructor in English.
- GILL, ADAM CAPEN, Ph.D., Professor of Mineralogy and Petrography.
- GILLESPIE, DAVID CLINTON, Ph.D., Assistant Professor of Mathematics.
- GILMAN, RAY EDWIN, Ph.D., Instructor in Mathematics.
- GREENLAND, CYRIL W., B.Sc., Instructor in Geology.
- GUERLAC, OTHON GOEPP, Licencié ès lettres, Licencié en droit, Assistant Professor of the Romance Languages (Leave of absence).
- HAMILTON, GEORGE LIVINGSTONE, Ph.D., Professor of the Romance Languages and Literatures.

- HAMMOND, WILLIAM ALEXANDER, Ph.D., Sage Professor of Ancient Philosophy and of Aesthetics.
- HARRIS, GILBERT DENNISON, Ph.B., Professor of Paleontology and Stratigraphic Geology.
- HARRISON, GEORGE R., U. S. A., Professor of Military Science and Tactics.
- HEBEL, JOHN WILLIAM, M.A., Instructor in English.
- HERMANNSSON, HALLDOR, Lecturer in Scandinavian.
- HERRICK, GLENN WASHINGTON, B.S.A., Professor of Economic Entomology.
- HEWETT, WATERMAN THOMAS, Ph.D., Professor of German, Emeritus.
- HILL, ROLAND HURDON, A.B., Instructor in Biochemistry.
- HUGINS, CHARLES ROLAND, A.B., Instructor in Economics.
- HULL, CHARLES HENRY, Ph.D., Goldwin Smith Professor of American History.
- HURWITZ, WALLIE ABRAHAM, Ph.D., Assistant Professor of Mathematics.
- HUTCHINSON, JOHN IRWIN, Ph.D., Professor of Mathematics.
- JACOBY, JOHN EDWARD, A.M., Instructor in English.
- JOHANNSEN, OSKAR AUGUSTUS, Ph.D., Professor of General Biology.
- JONES, HORACE LEONARD, Ph.D., Assistant Professor of Greek.
- KENISTON, RALPH HAYWARD, Ph.D., Assistant Professor of the Romance Languages and Literatures.
- KENNARD, EARLE HESSE, Ph.D., Instructor in Physics.
- KERR, ABRAM TUCKER, B.S., M.D., Professor of Anatomy.
- KINGERY, HUGH McMILLAN, M.A., Instructor in Histology and Embryology.
- KINGSBURY, BENJAMIN FREEMAN, Ph.D., M.D., Professor of Histology and Embryology.
- KNIGHT, FRANK HYNEMAN, Ph.D., Instructor in Economics.
- KOCHENDERFER, CLARENCE CAMERON, A.M., Instructor in Economics.
- LAPPIN, HENRY A., A.B., Instructor in English.
- LAUMAN, GEORGE NIEMAN, B.S.A., Professor of Rural Economy.
- LELAND, ORA MINER, B.S. (C.E.), Professor of Astronomy and Geodesy.
- LONG, TUDOR SEYMOUR, A.B., Instructor in English.
- VAN LOON, HENDRIK WILLEM, Ph.D., Lecturer in Modern European History.
- LUNDELL, GUSTAV ERNST FREDRICK, Ph.D., Assistant Professor of Chemistry.
- LUNT, WILLIAM EDWARD, Ph.D., Professor of English History.
- McKELVEY, JOSEPH VANCE, Ph.D., Instructor in Mathematics.
- McMAHON, JAMES, A.M., Professor of Mathematics.
- MAHOOD, SAMUEL ARTHUR, M.A., Instructor in Chemistry.
- MALLORY, WILLIAM GARFIELD, A.M., Instructor in Physics.
- MALONE, KEMP, A.B., Instructor in German.
- MASON, JAMES FREDERICK, Ph.D., Professor of the Romance Languages and Literatures.
- MERRITT, ERNEST GEORGE, M.E., Professor of Physics.
- VANDER MEULEN, PETER ANDREW, Ph.D., Acting Assistant Professor in Mineralogy and Petrography.
- MOLER, GEORGE SYLVANUS, B.M.E., Professor of Physics.
- MONROE, BENTON SULLIVAN, Ph.D., Assistant Professor of English.
- MUCHMORE, GUY BROOKS, A.B., Assistant Professor of Public Speaking.
- MURDOCK, CARLETON CHASE, B.S., Instructor in Physics.
- NEEDHAM, JAMES GEORGE, Ph.D., Professor of Entomology and Limnology.
- NICHOLS, EDWARD LEAMINGTON, Ph.D., LL.D., Professor of Physics.

- NORTHUP, CLARK SUTHERLAND, Ph.D., Assistant Professor of English.
OGDEN, ROBERT MORRIS, Ph.D., Professor of Education.
ORNDORFF, WILLIAM RIDGELY, Ph.D., Professor of Organic and Physiological Chemistry.
ORTH, SAMUEL PETER, Ph.D., Professor of Political Science.
OWENS, FREDERICK WILLIAM, Ph.D., Assistant Professor of Mathematics.
PAINE, ERNEST TROWBRIDGE, A.M., Instructor in Philosophy.
PIDGEON, HOWARD A., B.S., M.S., Instructor in Physics.
POPE, PAUL RUSSELL, A.B., Ph.D., Professor of German.
PRESCOTT, FREDERICK CLARKE, A.B., Assistant Professor of English.
PUMPELLY, LAURENCE, Assistant Professor of the Romance Languages and Literatures.
PUTNAM, ARTHUR JAMES, A.B., Instructor in Romance Languages.
QUARLES, JAMES T., Assistant Professor of Music.
RANUM, ARTHUR, Ph.D., Assistant Professor of Mathematics.
REED, HUGH DANIEL, Ph.D., Assistant Professor of Zoology.
REED, HAROLD LYLE, A.B., Assistant Professor of Economics.
RHODES, FRED HOFFMANN, Ph.D., Instructor in Chemistry.
RICHTMYER, FLOYD KARKER, Ph.D., Assistant Professor of Physics.
RIES, HEINRICH, Ph.D., Professor of Geology and Head of the Department of Geology.
RILEY, WILLIAM ALBERT, Ph.D., Professor of Insect Morphology and Parasitology.
RODGERS, RALPH CHAPMAN, A.M., Instructor in Physics.
ROWLEE, WILLARD WINFIELD, D.Sc., Professor of Botany.
SABY, RASMUS, S. Ph.D., Assistant Professor of Political Science.
SAMPSON, MARTIN WRIGHT, A.M., Goldwin Smith Professor of English Literature and Head of the Department of English.
SCHELLENG, JOHN CHRISTOPHER, A.B., Instructor in Physics.
SCHMIDT, NATAHNIEL, A.M., Professor of Semitic Languages and Literatures.
SHADLE, ALBERT RAY, M.A., Instructor in Zoology.
SHARPE, FRANCIS ROBERT, Ph.D., Assistant Professor of Mathematics.
SHEARER, JOHN SANFORD, Ph.D., Professor of Physics.
SILL, HENRY AUGUSTUS, Ph.D., Professor of Ancient History.
SILVERMAN, LOUIS LAZARUS, Ph.D., Instructor in Mathematics.
SIMPSON, SUTHERLAND, M.D., F.R.S.E., Professor of Physiology.
SMITH, FREDERICK MILLER, A.B., Instructor in English (On leave).
SMITH, HOMER W., Instructor in Public Speaking.
SNYDER, VIRGIL, Ph.D., Professor of Mathematics.
SOMERS, RANSOM EVARTS, Ph.D., Assistant Professor in Economic Geology.
STRUNK, WILLIAM, JR., Ph.D., Professor of English.
STURGIS, CONY, A.B., Instructor in the Romance Languages.
SUMNER, JAMES BATCHELLER, Ph.D., Assistant Professor of Biochemistry.
TANNER, JOHN HENRY, Ph.D., Professor of Mathematics.
THOMPSON, CHARLES FULLINGTON, U.S.A., Professor of Military Science and Tactics.
TITCHENER, EDWARD BRADFORD, Ph.D., LL.D., Litt.D., Sage Professor of Psychology and Head of the Department of Psychology.
TREVOR, JOSEPH ELLIS, Ph.D., Professor of Thermodynamics.

- TYLER, CHARLES MELLEN, A.M., D.D., Professor of the History and Philosophy of Religion, and of Christian Ethics, Emeritus.
- USHER, ABBOTT PAYSON, Ph.D., Assistant Professor of Economics.
- WEEKS, PAUL THORNE, A.B., Instructor in Physics.
- WELD, HARRY PORTER, Ph.D., Assistant Professor of Psychology.
- WELSH, THOMAS WHITNEY BENSON, Ph.D., Instructor in Chemistry.
- WILDER, BURT GREEN, B.S., M.D., Professor of Neurology and Vertebrate Zoology, Emeritus.
- WILLCOX, WALTER FRANCIS, Ph.D., LL.D., Professor of Economics and Statistics.
- WILLIAMS, HENRY SHALER, Ph.B., Ph.D., Professor of Geology, Emeritus.
- WINANS, JAMES ALBERT, A.M., LL.B., Professor of Public Speaking.
- WORKING, HOLBROOK, A.B., Instructor in Economics.
- WRIGHT, ALBERT HAZEN, Ph.D., Assistant Professor of Zoology.
- YOUNG, ALLYN ABBOTT, Ph.D., Professor of Economics and Finance.
- YOUNG, CHARLES VAN PATTEN, A.B., Professor of Physical Education and Physical Training.
- ZINNECKER, WESLEY DANIEL, Ph.D., Instructor in German.

Assistants

- ADAMSON, WILLIAM AUGUSTUS, B.A., Assistant in Chemistry.
- ALLEN, CHARLES ETHAN, A.B., Assistant in Histology and Embryology.
- ANDREWS, WILLIAM ALEXANDER, Assistant in Physical Training.
- ANTELL, HENRIK, Assistant in Military Science and Tactics.
- ATKINSON, MISS RUTH V., Assistant in Physical Education, Women's Department.
- BAILEY, AUSTIN, A.B., Assistant in Physics.
- BISHOP, HOMER GUY, M.A., Assistant in Psychology.
- BODANSKY, AARON, B.S., Assistant in Biochemistry.
- BOYLE, JOHN RICHARDS, 2d, Assistant in Military Science and Tactics.
- BRAY, MARK WILDER, M.S., Assistant in Chemistry.
- BRIDGMAN, J. ALLINGTON, B.Chem., Assistant in Chemistry.
- BRINK, FRANCIS GERARD, Assistant in Physical Training.
- BROWN, KENNETH COLTON, Assistant in Military Science and Tactics.
- BROWNE, FREDERICK LINCOLN, Assistant in Chemistry.
- BURLAGE, STANLEY ROSS, Assistant in Physiology.
- BUTTERY, C. J., A.M., Assistant in Romance Languages and Literatures.
- CARNES, MOSES, Assistant in Zoology.
- CHAMP, KENNETH BARNARD, Assistant in Military Science and Tactics.
- CHAPMAN, WILBUR FISKE, A.B., Assistant in Political Science.
- CLARK, CUTHBERT NORMAN, B.A., Assistant in Education.
- COLE, HOWARD IRVING, B.Chem., Assistant in Chemistry.
- COOKE, GAYLORD KELL, Assistant in Histology and Embryology.
- CRANE, (MISS) MARION DELIA, Ph.D., Assistant in Philosophy.
- CUTBERTSON, ALBERT LEWIS, Assistant in Chemistry.
- DALZELL, ARTHUR HERBERT, Assistant in Military Science and Tactics.
- DANN, HOLLIS HANFORD, Assistant in Chemistry.
- DICKER, HARRY AARON, A.B., Assistant in Political Science.
- DIMMICK, FORREST LEE, A.B., Assistant in Psychology.

- DOUGLASS, WILLIAM A., A.B., Assistant in Chemistry.
DUNLOP, VINING CAMPBELL, A.B., Assistant in Botany.
DYE, J. ALMA, A.B., Assistant in Physiology.
ELMENDORF, HUGH MERLE, Assistant in Military Science and Tactics.
ENGELDER, CARL JOHN, A.B., Assistant in Chemistry.
ERSKINE, ARCHIBALD MORTIMER, B.Chem., Assistant in Chemistry.
FLAGG, KENYON PUTNAM, B.S., Assistant in Zoology.
FLEMING, EDWIN GEORGE, LL.B., A.B., Assistant in Public Speaking.
FOGLESONG, JOHN E., Assistant in Chemistry.
FULLER, REVILO FRANKLYN, Assistant in Geology.
GAMBLE, DEAN, Assistant in Zoology.
GARWOOD, RALPH D., Ph.D., Assistant in American History.
GILCHRIST, RALEIGH, A.B., Assistant in Chemistry.
GRANTHAM, GUY EVERETT, A.B., Assistant in Physics.
GUTSELL, ROBERT SQUIER, Assistant in Histology and Embryology.
HOEL, ARCHIE B., Assistant in Chemistry.
HOLT, HARPER ALLEN, Assistant in Military Science and Tactics.
HOWELL, SIDNEY PRESWICK, Assistant in Medieval History.
HUBERT, Merton Jerome, A.M., Assistant in Romance Languages and Literatures.
JACKSON STUART DEMING, Assistant in Chemistry.
JAFFIN, JOSEPH MUNROE, Assistant in Chemistry.
JENNESS, JAMES RUSSELL, S.B., Assistant in Physics.
JOHNSON, GERTRUDE AMELIA, M.S., Assistant in Histology and Embryology.
KAUFMANN, ALLAN LEWIS, Assistant in Modern European History.
KOLLER, JOSEPH P., B.Chem., Assistant in Chemistry.
KOLLER, LEWIS RICHARD, Assistant in Physics.
LATTA, JOHN S., B.S., Assistant in Histology and Embryology.
LEONARD, SAMUEL JOHN, C.E., Assistant in Astronomy.
LEVY, FRANK MORTCHE, Assistant in Chemistry.
LOUDER, EARL ALBERT, B.S., Assistant in Chemistry.
MCCLUNG, REID LAGE, A.B., Reading Assistant in Economics.
MCCOY, DANIEL CHAUNCEY, Assistant in Chemistry, Assistant in Military Science and Tactics.
MACKENZIE, HUGH, A.B., Reading Assistant in English History.
MCKINNEY, ASA, Assistant in Chemistry.
MAGUIRE, WILLIAM HOWARD, A.B., Assistant in English History.
MATTHEWS, JAMES EVART, Assistant in Military Science and Tactics.
MATZKE, DR., EDITH H., M.D., Acting Adviser of Women.
MAURY, CARLOTTA JOAQUINA, Ph.D., Lecturer in Geology.
MICHENOR, JOHN HANSON, Assistant in Chemistry.
MILLIGAN, WILLIAM GERVAN, Assistant in Military Science and Tactics.
MOESSEL, JULIA, Assistant in Zoology.
MOORE, IRWIN LIKELY, Assistant in Physics.
MORATH, GEORGE SYLVESTER, B.S., Assistant in Physics.
MOREHOUSE, RUSSELL, Assistant in Medieval History.
MUNFORD, SAMUEL ARCHER, A.B., M.D., Lecturer on Physical Diagnosis.
O'CONNELL, WALTER CHRISTOPHER, Assistant in Physical Training.
OLSON, EMERY E., Assistant in Public Speaking.

- OLSSON, AXEL ADOLPH, A.B., Assistant in Paleontology and Stratigraphic Geology.
- PASHKOW, MORRIS HERMAN, Assistant in Chemistry.
- PEARSALL, GEORGE MARTIN, M.E., Assistant in Physics.
- REDWOOD, JOHN PURDY, Assistant in Military Science and Tactics.
- RIDER, ARTHUR JOHN, M.S., Assistant in Chemistry.
- SANDBURG, RUDOLPH WILLIAM, Reading Assistant in Economics.
- SAUNDERS, WALTER LEROY, Assistant in Military Science and Tactics.
- SEVERANCE, MILDRED, A.B., Assistant in Physics.
- SHELDON, PEARL GERTRUDE, Ph.D., Assistant in Geology.
- SHELLEY, LEANDER IVON, Assistant in Military Science and Tactics.
- SIKES, EARL RAY, A.B., Assistant in Economics.
- SIVIAN, LEON JOHN, A.B., Assistant in Physics.
- SLIMM, JOHN BERNARD, Assistant in Military Science and Tactics.
- SMITH, ERNEST EDWARD, Assistant in Physics.
- SMITH, ERNEST RICE, A.B., Assistant in Geology.
- SMITH, WILLIAM DUDLEY, Assistant in English History.
- SODERHOLM, WALTER HAROLD, Assistant in Military Science and Tactics.
- STERN, ARTHUR LEO, Assistant in Chemistry.
- STOBBS, WILLIAM MALCOLM, A.B., Assistant in Anatomy.
- STORK, HARVEY ELMER, A.B., Assistant in Botany.
- STRICKER, PAUL FREDERICK, Assistant in Chemistry.
- SUMMERS, RICHARD THOMAS, Assistant in Chemistry.
- SUTTON, JOHN EDWARD, jr., A.B., Assistant in Anatomy.
- TANNER, HERBERT GILES, M.S., Assistant in Chemistry.
- TEAS, LIVINGSTON PIERSON, B.S., Assistant in Geology.
- THOMAS, ALLEN JOB, A.B., LL.B., Assistant in Philosophy.
- THOMPSON, JOHN GRAHAM, Assistant in Chemistry.
- TOWNSEND, PRESCOTT WINSON, A.B., Assistant in Ancient History.
- TYNDALL, EDWARD P. T., B.A., Assistant in Physics.
- VOORHEES, ISAAC NEWTON, Assistant in Military Science and Tactics.
- WALDBAUER, LOUIS JULIUS, Assistant in Chemistry.
- WARNER, CHARLES ALBERT, Assistant in Physical Geography.
- WARSHOW, HERMAN, A.B., Assistant in Economics.
- WHITE, ANDREW CURTIS, Ph.D., Reader in Greek.
- WICHELS, ALMA, A.B., Assistant in Physical Training, Women's Department.
- WICHELS, HERBERT AUGUST, A.B., Assistant in Public Speaking.
- WILBUR, FRANCIS CRESSY, Assistant in Military Science and Tactics.
- WILLIAMS, ERNEST ARTHUR, Assistant in Military Science and Tactics.
- WOLF, RAYMOND JOSEPH, Reading Assistant in Economics.

Lecturers

- Taft, William Howard, B.A., LL.B., LL.D., Professor of Constitutional Law in the Law Department of Yale University, Lecturer on the Goldwin Smith Foundation.
- Bonn, Moritz J., Lecturer on the Jacob H. Schiff Foundation.
- The Jacob H. Schiff Nonresident Lectureship in German is supported from the income of the Jacob H. Schiff Endowment for the Promotion of Studies in German Culture.
- The Goldwin Smith Lectureship is supported from the income of the fund received by the University under the will of Goldwin Smith.

COLLEGE OF ARTS AND SCIENCES

For admission to the College of Arts and Sciences, see page 41; for tuition in the College of Arts and Sciences, see page 48.

Two curricula are offered in the College of Arts and Sciences, one leading to the degree of Bachelor of Arts, the other leading to the degree of Bachelor of Chemistry.

THE DEGREE OF BACHELOR OF ARTS

1. For the degree of Bachelor of Arts the student is required to complete eight terms of resident study (see also paragraph 5 below), and the work prescribed by the University in military drill or physical culture.

To secure credit for a term of residence, a student must pass during that term at least twelve hours of work. A student failing in any given term to pass twelve hours may continue in the College only under such conditions and at such time as the Faculty, through its Committee on Academic Records, may designate.

When a student's failure is due to ill health or to other sufficient reasons beyond his control, the term's residence may be completed either by attendance at a summer session, or by examination, or by both, as the Committee on Academic Records may determine, but no surplus credits for work done in any other term may be used to complete the necessary twelve hours.

When the failure is due to other causes than those specified above, the term's credit is cancelled, except that a freshman who at the end of his first term has failed to pass twelve hours of work in this College, but who nevertheless is permitted to continue in the College, may be allowed until the beginning of his fourth term to make up deficiencies in courses for which he was registered during the first term.

2. In case a student has gained six hours of college credit by passing at admission the examinations set for that purpose, he may secure credit for a term of residence by attending a summer session of the University. If the college credit gained at entrance amounts to twelve hours, he will be considered as having completed one term of residence.

3. A student who has satisfied the entrance requirements of the College, and has afterwards completed in two or more summer sessions of the University at least twelve hours of work in approved courses, will be regarded as having thus fulfilled a term of residence. Under no circumstances will work done in summer sessions be accepted as the equivalent of more than two terms. Subject to certain restrictions, courses pursued in summer sessions of universities belonging to the Association of American Universities by a student regularly registered in this College or in a college of like standing, may be credited towards the degree.

4. The degree will not be conferred upon any student unless he has been in residence at Cornell University during the last two of the required eight terms.

5. No student will be recommended for the degree unless his record shows that the total amount of his completed work corresponds to an average of at least fifteen hours a term; nor unless half his work has been above the grade D.

6. A student admitted to the College of Arts and Sciences from another college of Cornell University, or from any other institution of collegiate rank, will be regarded as having completed the number of terms and of hours to which his records entitle him, and will receive all the privileges of students who have completed the same number of terms and hours by residence in the College. In order, however, to obtain the degree of Bachelor of Arts he must have been in residence at least two terms in the College of Arts and Sciences, and in that college only.

7. Any person who, while registered in the College of Arts and Sciences only, attends a course or courses in another college, shall not count the same as part of the twelve hours necessary to obtain credit for a term of residence.

8. A student who has completed at least six terms of residence, no one of them under the provisions of paragraph 2, may, with the permission of the

faculties concerned, be registered both in the College of Arts and Sciences and also in any other college of Cornell University.

CHOICE OF STUDIES

10. On or before the third day of instruction a student registering in the College for the first time must file at the Dean's office his study card with list of courses for the term.

11. Two weeks before the end of each term a student must file at the Dean's office his study card with list of courses for the next term.

12. With the consent of the Dean's office, a student may alter his list of courses in the first term during the first six days of instruction, and in the second term during the first day of instruction.

13. Thereafter no student shall have the right to withdraw from any course in which he is registered, unless he shall previously have obtained from the Dean authorization to do so on the ground of ill health or for other reasons beyond the student's control.

14. Each freshman and sophomore must confer with an underclass adviser before handing in his study card to the Dean. Advisers will be assigned by the chairman of the Committee on Underclass Advisers, Goldwin Smith 159. The function of the adviser is to consult with the student regarding his choice of studies, to confer with him during the term regarding his work, and in general to give him such friendly counsel as he may desire.

15. Before a student may be registered as a junior he must have completed sixty hours of work, which shall include in English and history six hours, in one or more languages other than English six hours, in philosophy, psychology, and mathematics six hours, and in physics, chemistry, geology, physical geography, and the biological sciences six hours, of which hours the student is required to take at least twelve, and advised to take more, in his freshman year. Each six hours may be entirely in one division (for example, English six hours), or partly in one and partly in another (for example, English three hours and history three hours). College credit gained under paragraph 2 may not be applied in satisfaction of any of these required groups of six hours.

16. Each student shall choose at the beginning of his junior year one of the following groups:

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|---|--|
| 1. Ancient Languages. | 7. Physics. |
| 2. Modern Languages. | 8. Chemistry. |
| 3. English and Oratory. | 9. Botany. |
| 4. Philosophy, Psychology, and Education. | 10. Zoology and Entomology. |
| 5. History and Political Science. | 11. Physiology, Histology, and Embryology. |
| 6. Mathematics and Astronomy. | 12. Geology and Physical Geography. |

With the sanction of his adviser and of the Dean, a student may choose, instead of one of the upper-class groups listed above, a combination of two related groups. In the group selected he must complete during his junior and senior years at least twenty hours of work. In choosing these twenty hours the student must obtain the advice and approval of some professor or assistant professor within the group. But a senior in this College who is registered also in some other college of Cornell University is excused from ten of these twenty hours.

COURSES OPEN TO FRESHMEN WITHOUT SPECIAL PERMISSION OF THE ADMINISTRATIVE BOARD IN CHARGE OF FRESHMEN AND SOPHOMORES

Greek, 1, 2; Latin, A, B, 1, 3; Germanic Languages, 1, 2, 3, 4, 4a, 5, 5a, 7, 8, 10; Romance Languages, 1, 3, 4, 4a, 5, 6, 30, 32, 40, 41, 42; English, 1, 3; History, 1, 2, 31, 32; Bibliography, 1, 2; Music, 1; Mathematics, 1, 2, 2(E), 3, 5, 6, 7, 8, 15; Physics, 2, 3, 4a, 4b, 7, 10; Chemistry, 1, 6, 7, 85; General Biology, 1; Botany, 1, 2, 3, 4; Entomology, etc., 4, 5, 10; Vertebrate Zoology and Neurology, 1, 5, 6, 12; Physiology, 3, 6; Geology, 1, 2, 11, 21.

THESES

Any senior candidate for the degree of Bachelor of Arts may arrange with the department in which he is taking his principal work to write a thesis, which, if

accepted, shall entitle him to not more than three hours of credit a term. For details consult the Dean's office or the department concerned.

THE DEGREE OF BACHELOR OF CHEMISTRY

The requirements for the degree of Bachelor of Chemistry are residence for eight terms and the completion of the following curriculum in addition to the work prescribed by the University in military drill or physical culture.

First Year			No. of	First	Second
			Course	Term	Term
Introductory Inorganic Chemistry.....	Chemistry		1	6	—
Qualitative Analysis.....	Chemistry		7	6 or 0	0 or 6
Analytical Geometry, Differential Calculus, Integral Calculus	Mathematics		7	5	5
Introductory Experimental Physics.....	Physics		2	—	5
Drawing.....	Sibley College		D3	3	—
English	English		1	4	4
Second Year					
Quantitative Analysis.....	Chemistry		12	0 or 6	6 or 0
Organic Chemistry.....	Chemistry		30	6	6
Gas Analysis.....	Chemistry	19 &	20	4 or 0	0 or 4
Introductory Physical Experiments.....	Physics		10	2	
Physical Experiments.....	Physics		14	—	2
Crystallography	Geology		12	0 or 3	3 or 0
Opticochemical Methods.....	Chemistry		24	—	3
Elective				—	3
Third Year					
Introductory Physical Chemistry.....	Chemistry		50	3	3
Physical Chemistry Laboratory.....	Chemistry		51	3	3
Chemical Microscopy.....	Chemistry		65	0 or 2	2 or 0
Quantitative Analysis, Lectures.....	Chemistry		15	—	2
Advanced Quantitative Analysis.....	Chemistry		14	2	2
General Physics.....	Physics		9	2	—
Physical Experiments.....	Physics		14	2	—
Mechanics.....	Sibley College		M5	5	—
Mechanical Laboratory.....	Sibley College		X12	—	4
Elective					3
Students that wish to register in the junior year for a greater number of elective hours than the schedule demands may, with the consent of the Department, defer taking some of the required courses of the junior year.					
Fourth Year					
Electrical Engineering Laboratory.....	Sibley College		E13	4	—
Seminary	Chemistry		95	—	1
Research.....	Chemistry		96 (at least)	4	4
Electives.....	at least			5	5

In choosing his elective subjects in the senior year the student is advised to select as his special field some one of the following six divisions of chemistry: inorganic chemistry, analytical chemistry, organic chemistry, physical chemistry, sanitary chemistry, agricultural chemistry. While the greater part of the elective work should lie in the field thus chosen, the remainder may comprise courses in any division of chemistry, or such other courses as may be approved by the Department of Chemistry.

The provisions of paragraphs 2, 3, 4, 6, 10, 11, 12, and 13 under "The Degree of Bachelor of Arts" apply in general to candidates for the degree of Bachelor of Chemistry. A candidate for the latter degree may register for nineteen hours a term. To register for more than nineteen hours in any term he must secure the permission of the Department of Chemistry.

COURSES OF INSTRUCTION

For detailed information concerning the courses of instruction, the announcement of the College of Arts and Sciences should be consulted. A copy of the Announcement will be sent gratis on application to the Secretary of the University.

SEMITIC LANGUAGES AND LITERATURES

1. Hebrew. Throughout the year, credit three hours a term. Professor SCHMIDT. M T Th, 2. Open only to juniors, seniors, and graduates.
- 2a. Arabic. Throughout the year, credit two hours a term. Professor SCHMIDT. T Th, 9. Open only to juniors, seniors, and graduates.
- 2b. Advanced Arabic. Throughout the year, credit two hours a term. Prerequisite course 2a. Professor SCHMIDT. W F, 2.
3. Ethiopic. Throughout the year, credit two hours a term. Prerequisite courses 1, 2a. Professor SCHMIDT. T Th, 3. Primarily for graduates.
- 4a. Assyrian. Throughout the year, credit two hours a term. Prerequisite courses 1, 2a. Professor SCHMIDT. T Th, 3. Primarily for graduates.
- 4b. Aramaic. Throughout the year, credit two hours a term. Prerequisite course 1. Professor SCHMIDT. T Th, 5.
- 5a. Egyptian. Throughout the year, credit two hours a term. Prerequisite courses 1, 2a. Professor SCHMIDT. W, 4-6. Primarily for graduates.
- 5b. Coptic. Throughout the year, credit two hours a term. Prerequisite course 5a. Professor SCHMIDT. F, 4-6. Primarily for graduates.
6. Semitic Literature. Throughout the year, credit two hours a term. Professor SCHMIDT. M W, 3. Open to juniors, seniors, and graduates.
7. Semitic Seminary. Throughout the year, credit two hours a term. Prerequisite courses 1, 4b. Professor SCHMIDT. M, 4-6.
8. Comparative Semitic Philology. Throughout the year, credit one hour a term. Prerequisite courses 1, 2, 4b. Professor SCHMIDT. F, 3. For graduates only.
- [9a. Oriental History. Throughout the year, credit two hours a term. Professor SCHMIDT.] Not given in 1916-17.
- 9b. Oriental History. Throughout the year, credit two hours a term. Professor SCHMIDT. T Th, 10. Open to juniors, seniors, and graduates.

GREEK

1. Elementary Greek. Throughout the year, credit six hours a term. Assistant Professor JONES. Daily 8.
2. Plato, Selections; Homer's Odyssey. Throughout the year, credit three hours a term. Professor BRISTOL. T Th S, 10.
3. Herodotus. First term, credit three hours. Assistant Professor JONES. M W F, 10.
- 3a. Euripides, Sophocles. Second term, credit three hours. Assistant Professor JONES. M W F, 10.
4. Greek Composition. Throughout the year, credit one hour a term. Prerequisite course 2 or the equivalent. Assistant Professor JONES.
5. New Testament Greek. Throughout the year, credit two hours a term. Dr. WHITE. W F, 8. Prerequisite, course 1 or its equivalent.
- [7. Myths of the Epic Cycle. First term, credit two hours. Assistant Professor JONES.] Not given in 1916-17.
9. Dramatic Poetry. Second term, credit two hours. Assistant Professor JONES. T Th, 11.
- [10. Lyric Poetry. First term, credit two hours. Professor BRISTOL.] Not given in 1916-17.
- [11. Aristophanes. Second term, credit two hours. Assistant Professor JONES.] Not given in 1916-17.
12. The Republic of Plato. Throughout the year, credit three hours a term. Professor HAMMOND. Hours to be arranged.
15. Thucydides. First term, credit two hours. Professor BRISTOL. T Th, 11.
20. Greek Seminary. Throughout the year, credit two hours a term. Professor BRISTOL. W, 2, 30, and one other hour to be arranged.
- [21. Introduction to the Study of Language. First term, credit three hours. Professor BRISTOL. M W F, 11.] Not given in 1916-17.
22. Linguistic Study of the Germania of Tacitus. Second term, credit two hours. Professor BRISTOL. M W, 11.
- [23. Comparative Grammar of Greek, Latin, and Germanic. First term, credit three hours. Professor BRISTOL.] Not given in 1916-17.

GREEK ART AND ANTIQUITIES

Courses 1, 2, 3, and 4 in this department do not require any knowledge of Greek or Latin. Courses 5 and 6 presuppose facility in reading Greek. Course 7 is primarily for those expecting to study in Athens.

1. History of Greek Sculpture. Repeated in second term, credit three hours. Assistant Professor ANDREWS. First term, M W F, 9; second term, M W F, 11.

2. History of Greek Sculpture. Throughout the year, credit two hours a term. Assistant Professor ANDREWS. T Th, 11.

3. Greek Antiquities. Repeated in second term, credit three hours. Assistant Professor ANDREWS. First term, M W F, 11; second term, M W F, 9.

4. Greek Numismatics. First term, credit two hours. Assistant Professor ANDREWS. T Th, 9.

4a. Greek Architecture. Second term, credit two hours. Assistant Professor ANDREWS. T Th, 9. Preferably to follow course 3.

5. Pausanias. Credit two hours. Assistant Professor ANDREWS. Hours to be arranged after consultation.

6. Greek Epigraphy. Credit two hours. Assistant Professor ANDREWS. Hours to be arranged after consultation.

7. Modern Greek. Credit two hours. Assistant Professor ANDREWS. Hours to be arranged after consultation.

LATIN

A. Elementary Latin; Caesar. M T W Th F, 8. Professor ELMER. Throughout the year, credit five hours a term.

B. Cicero, Selected Orations; Virgil, Aeneid, Books I-IV. Throughout the year, credit three hours a term. Prerequisite course A or entrance credit for two units of Latin. Professor ELMER. M W F, 2, or hours to be arranged.

1. Cicero, De Amicitia; De Senectute; Horace, Odes and Epodes; Latin Writing. Throughout the year, credit three hours a term. M W F, 10. Professor BENNETT; M W F, 11, Professor DURHAM; M W F, 12, Professor DURHAM.

[2. Sight Translation: Gellius, Selections; Phaedrus; Martial. Oral translation at sight. Throughout the year, credit one hour a term.] Not given in 1916-17.

3. Sight Translation: Selections from Petronius, Cato, Publilius Syrus, and Early Christian Hymns; Caesar's Civil War. Throughout the year, credit one hour a term. T, 12, Professor ELMER; S, 10, Professor ELMER; S, 11, Professor ELMER.

8. Terence, Phormio, and Adelphi; Catullus; Horace, Satires and Epistles; Seneca, Letters; Tacitus, Agricola. Throughout the year, credit three hours a term. Prerequisite course 1. Professor DURHAM. T Th S, 9.

9. Sight Translation for Sophomores. First term, credit one hour. Prerequisite course 1. Professor DURHAM. S, 12.

[10. Classic Myths in English Literature. Prerequisite preparatory Latin. Second term, credit two hours. Professor DURHAM. T Th, 12.] Not given in 1916-17.

11. Ovid, Metamorphoses; Selections from Cicero's Letters. Throughout the year, credit two hours a term. Prerequisite course 1 or the equivalent. Professor ELMER. T Th, 2, or hours to be arranged.

[12. Selections from the last six books of Virgil's Aeneid; Cicero, De Officiis. Throughout the year, credit two hours a term. Prerequisite course 1 or the equivalent. Professor ELMER.] Not given in 1916-17.

16. Selections from the Republican Literature: Plautus, the Captives and Mostellaria; Laetius; Lectures on the History of Roman Literature. Throughout the year, credit three hours a term. Prerequisite course 8, 11, or 12. Professor BENNETT. T Th S, 9.

[17. Literature and History of the Early Empire: Suetonius, Lives of the Caesars; Pliny's Letters; Tacitus's Annals. Throughout the year, credit three hours a term. Prerequisite course 8, 11, or 12. Professor BENNETT.] Not given in 1916-17.

[18. Lyric Poetry, Catullus. First term, credit two hours. Open to students who are taking course 16. Professor DURHAM.] Not given in 1916-17.

21. Intermediate Course in Latin Writing. Credit one hour a term. Prerequisite course 1. Professor ELMER. Th, 3, or hour to be arranged.

26. Teachers' Training Course. Throughout the year, credit two hours a term. Open, upon personal application to the professor, to students who have had course 8, 11, or 12, and have taken or are taking course 16 or 17. Professor BENNETT.

[27. Roman Life and Art. Throughout the year, credit two hours a term. Professor BENNETT.] Not given in 1916-17.

[34. Cicero, in Verrem, Fourth Oration of the Actio Secunda. Throughout the year, credit one hour a term. Prerequisite course 8, 11, or 12, or the equivalent. Professor ELMER.] Not given in 1916-17.

[35. Cicero's Philippica. Throughout the year, credit one hour a term. Prerequisite course 8, 11, or 12, or the equivalent. Professor ELMER.] Not given in 1916-17.

41. Latin Seminary. Professor BENNETT. T, 2, and S, 10.

[42. History, Aim, and Scope of Latin Studies. Throughout the year. Professor BENNETT.] Not given in 1916-17.

[43. Historical Latin Syntax. Professor BENNETT.] Not given in 1916-17.

44. Historical Grammar of the Latin Language. Throughout the year. Professor BENNETT. T Th, 10.

45. Latin Writing, Advanced Course. Throughout the year. Professor ELMER. Th, 3. For graduates. Undergraduates who have taken course 21 may also be admitted to this course.

[46. History and Development of Roman Epic Poetry. Throughout the year. Professor ELMER. Exclusively for graduates.] Not given in 1916-17

47. Vulgar Latin, Elementary Course. Throughout the year, credit two hours a term. Professor DURHAM.

[48. Vulgar Latin. Hours to be arranged. For graduates. Professor DURHAM.] Not given in 1916-17.

50. Latin Epigraphy. Throughout the year, credit two hours a term. Professor DURHAM. Roman History, see HISTORY, courses 1, 2, 3, and 6.

Latin Palaeography. see HISTORY, course 73.

GERMAN

1. Course for Beginners: Oral Training, Grammar, Composition, Translation. Repeated in second term, credit six hours. First term: Daily, 9, Professor POPE; daily, 11, Dr. ZINNECKER; Second term: Daily, 10, Dr. ZINNECKER.

This course is equivalent to first year and second year German of the entrance requirements. It may be elected for three hours credit by students who have entrance credit for only one unit of German.

2. Oral Training, Grammar, Composition, Translation. First term only, credit three hours. Prerequisite first year German of the entrance requirements. M W F, 12. ———.

3. Oral Training, Grammar, Composition, Translation. Repeated in second term, credit five hours. Prerequisite course 1, or course 2, or entrance credit for two units of German. First term: M T W Th F, 9, Dr. ZINNECKER; M T W Th F, 10, Dr. ANDREWS; M T W Th F, 10, Dr. VOLLMER; M T W Th F, 11, Dr. VOLLMER; Second term: M T W Th F, 9, Dr. ZINNECKER; M T W Th F, 10, Dr. ANDREWS; M T W Th F, 11, Dr. VOLLMER.

This course is equivalent to third year German of the entrance requirements.

4. Elementary German Composition and Conversation. Throughout the year, credit three hours a term. Open to those who are taking or have taken course 3. M W F, 12, Dr. ZINNECKER; T Th S, 9, first term, Dr. ANDREWS; second term, Professor POPE.

4A. Elementary German Composition and Conversation. Second term only, credit five hours. Dr. VOLLMER. M T W Th F, 10.

5. Intermediate German Course. Throughout the year, credit three hours a term. Prerequisite course 3, or the equivalent. T Th S, 10, first term, Professor FAUST; second term, Professor POPE; M W F, 9, Dr. VOLLMER; T Th S, 12, Dr. ANDREWS.

5A. Intermediate German Course. Second term only, credit five hours. Prerequisite course 3, or the equivalent. Dr. ANDREWS. M T W Th F, 9. This course is equivalent to course 5, which see for prerequisite courses, books, etc. Primarily for students completing course 3 in the first term.

7. Intermediate German Course. Throughout the year, credit five hours a term. Prerequisite course 3, or the equivalent. M T W Th F, 10. Assistant Professor DAVIDSEN; M T W Th F, 12. Professor BOESCHE.

8. Scientific German. Second term, credit two hours. Prerequisite courses 1-3, or three years of German in high school. M W, 11. Professor BOESCHE.

10. Advanced German Composition and Conversation. Throughout the year, credit three hours a term. Prerequisite courses 1-5, or the equivalent. M W F, 10. Professor POPE; T Th S, 11. Assistant Professor DAVIDSEN.

11. Schiller's Life and Works. Throughout the year, credit three hours a term. Prerequisite courses 1-5. Professor BOESCHE. T Th S, 11.

12. Goethe's Life and Works. First term, credit three hours. Primarily for juniors and seniors. Prerequisite courses 1-5, or the equivalent. Professor FAUST. T Th S, 9.

13. Goethe's Faust, part I and selected portions of part II. Second term, credit three hours. Primarily for juniors and seniors. Prerequisite courses 1-5, or the equivalent. Professor FAUST. T Th S, 9.

14. History of German Literature. Throughout the year, credit three hours a term. Prerequisite courses 1-5, or the equivalent. Professor FAUST. M W F, 9.

[15. Contemporary German Literature. Throughout the year, credit three hours a term. Prerequisite courses 1-5, or the equivalent. Professor FAUST.] Not given in 1916-17.

[16. The German Drama of the Nineteenth Century. Throughout the year, credit three hours a term. Prerequisite courses 1-5 and 10, or the equivalent. Assistant Professor DAVIDSEN.] Not given in 1916-17.

17. The Literature of the Reformation. First term, credit three hours. Prerequisite courses 1-5 and 10, or the equivalent. Assistant Professor DAVIDSEN. M W F, 11.

18. Lessing's Life and Works. Second Term, credit three hours. Prerequisite courses 1-5 and 10, or the equivalent. Assistant Professor DAVIDSEN. M W F, 11.

24. Lyric and Ballad Poetry. Second term, credit three hours. Prerequisite courses 1-5. Professor POPE. T Th S, 12.

[25. Wagner's Life and Works. Second term, credit three hours. Prerequisite courses 1-5, otherwise only by special permission. Professor POPE.] Not given in 1916-17.

[30. The History of the German Element in the United States. Professor FAUST.] Not given in 1916-17.

[33. Elementary Phonetics and its Application to the Study of Modern Languages. First term, credit two hours. Assistant Professor DAVIDSEN.] Not given in 1916-17.

34. Principles of Word Formation. First term, credit two hours. Assistant Professor DAVIDSEN. W F, 12.

[35. History of the German Language. Second term, credit three hours. Professor BOESCHE.] Not given in 1916-17.

37. Elementary Middle High German. First term, credit three hours. Prerequisite courses 1-5, 10, and at least six hours of advanced work in German literature. Professor POPE. T Th S, 10.

38. Modern Scandinavian. Throughout the year, credit three hours a term. Dr. ANDREWS. M W F, 12.

39. Teachers' Course in German Composition. First term, credit two hours. Admission by permission only. Professor BOESCHE. T Th 10.

40. Teachers' Course in Methods. Second term, credit two hours. Prerequisite courses 1-5, 10, and eighteen hours of advanced work in German literature or philology. Professor FAUST, assisted by his colleagues of the German Department. T, 2-4.

[42. Gothic. First term, credit three hours. Professor BOESCHE.] Not given in 1916-17.

43. Old High German. First term, credit three hours. Prerequisite course 37. Professor BOESCHE. M W F, 11.

[44. Old Icelandic. Throughout the year, credit three hours a term. Dr. ANDREWS.] Not given in 1916-17.

45. The Icelandic Sagas. First term, credit one hour. Mr. HERMANSSON. F, 11.

[46. Old Norse Mythology. Credit one hour. Mr. HERMANSSON.] Not given in 1916-17.

48. Principles of Germanic Philology. Second term, credit two hours. Prerequisite course 42. Dr. ANDREWS. W, 2-4.

49. Seminary in German Literature. First term, credit two hours. Professor FAUST. F, 2-4.

50. Seminary in German Literature. Second term, credit two hours. Assistant Professor DAVIDSEN. Hours to be arranged. Primarily for graduates.

51. Seminary in German Philology. First term, credit two hours. Professor POPE. Hours to be arranged. Primarily for graduates. Subject: "Walther von der Vogelweide."

52. Seminary in German Philology. Second term, credit two hours. Professor BOESCHE. Hours to be arranged. For graduates only. Subject: Monuments of Old High German poetry.

53. Lectures in German on the History of German Art. Second term, credit three hours. Professor ARTUR WESE. Professor of the History of Art, University of Bern, Switzerland, Jacob H. Schiff nonresident lecturer for 1917. Daily except Saturday, 4.45 p. m. in February and March. Collateral reading will be required of those taking the course for credit.

ROMANCE LANGUAGES

Students intending to teach French should take the following courses as a minimum requirement for their purpose: 4, 5, 6, 14, 23, 55 and at least three other courses in French literature.

1. French. Elementary Course. Repeated in second term, credit six hours. First term: Daily, 12, Professor MASON; daily, 8, Mr. HUBERT; daily 9, Mr. BUTTERY; second term: Daily, 8, Professor MASON; daily, 12, Mr. HUBERT.

3. French Grammar, Composition, Translation. Repeated in second term, five hours: Prerequisite course 1, or entrance credit for two units of French. First term: M T W Th F, 9, Professor COMFORT; M T W Th F, 10, Mr. ———; M T W Th F, 12, Mr. ———; second term: M T W Th F, 9, Professor COMFORT; M T W Th F, 10, Mr. ———; M T W Th F, 12, Mr. CARPENTER.

4. French. Advanced Translation. Repeated in second term, credit three hours. Prerequisite course 3, or third year French of the entrance requirements. First term: M W F, 9, Professor MASON; M W F, 11, Professor COMFORT; T Th S, 12, Assistant Professor HAMILTON; second term: T Th S, 9, Mr. ———; M W F, 10, Assistant Professor PUMPELLY.

4a. French. Advanced Translation. Second term, credit three hours. Prerequisite course 4. T Th S, 10. Assistant Professor HAMILTON.

5. French. Elementary Composition. Throughout the year, credit three hours a term. Prerequisite course 3, or third year French of the entrance requirements.

T Th S, 9, Assistant Professor PUMPELLY; M W F, 11, Assistant Professor PUMPELLY.

6. French. History of French Literature. Repeated in second term, credit three hours. Prerequisite course 4. First term: M W F, 11, Mr. ———; second term: M W F, 11, Professor COMFORT.

7. French. Literature of the Seventeenth Century. Throughout the year, credit three hours a term. Prerequisite course 6. Professor COMFORT. M W F, 10.

[8. French. Literature of the Eighteenth Century. Throughout the year, credit three hours a term. Prerequisite course 6. Assistant Professor GUERLAC.] Not given in 1916-17.

9. French. Literature of the Nineteenth Century. Throughout the year, credit three hours a term. Prerequisite course 6. Professor MASON. M W F, 11.

14. French. Advanced Composition. Throughout the year, credit three hours a term. Prerequisite courses 4, 5. Mr. ———. T Th S, 11.

[21 French. Prose of the Sixteenth Century. Second term, credit three hours. Prerequisite course 6. Professor MASON.] Not given in 1916-17.

22. French. Poetry of the Sixteenth Century. Second term, credit three hours. Prerequisite course 6. Professor MASON. Hours to be arranged.

23. French. Elementary Philology. Throughout the year, credit three hours a term. Prerequisite entrance Latin. Assistant Professor PUMPELLY. M, 3-5, Th, 10.

[24. French. Medieval Literature. Second term, credit two hours. Prerequisite course 6. Professor COMFORT.] Not given in 1916-17.

[26. French. Old French Texts. Throughout the year, credit two hours a term. Prerequisite course 23. Professor COMFORT.] Not given in 1916-17.

27. French. Modern French Seminary. Throughout the year, credit two hours a term. Professor MASON. Hours to be arranged.

30. Italian. Elementary Course. Throughout the year, credit three hours a term. Assistant Professor HAMILTON. T Th S, 9.

32. Italian. Poetry: Dante, Leopardi, Carducci. Throughout the year, credit three hours a term. Prerequisite course 30, or second year Italian of the entrance requirements. Assistant Professor HAMILTON. T Th S, 11.

[33. Italian. Petrarch and the Renaissance. Throughout the year, credit two hours a term. Prerequisite course 32. Assistant Professor HAMILTON.] Not given in 1916-17.

35. Italian. Old Italian. Throughout the year, credit two hours a term. Assistant Professor HAMILTON. Hours to be arranged.

40. Spanish. Elementary Course. Repeated in second term, credit six hours. First term: Daily, 8, Mr. ———; daily, 9, Assistant Professor KENISTON; daily, 12, Mr. CARPENTER; second term: Daily, 8, Mr. ———; daily, 12, Assistant Professor KENISTON.

41. Spanish. Advanced Spanish. Repeated in second term, credit five hours. Prerequisite course 40, or second year Spanish of the entrance requirements. First term: M T W Th F, 10, Assistant Professor KENISTON; M T W Th F, 11, Mr. ———; second term: M T W Th F, 10, Mr. CARPENTER; M T W Th F, 11, Mr. ———.

42. Spanish. Literature of the Nineteenth Century. Second term, credit three hours. Prerequisite course 41, or third year Spanish of the entrance requirements. M W F, 11. Assistant Professor KENISTON.

43. Spanish. Elementary Composition and Conversation. Repeated in second term, credit three hours. Prerequisite course 41, or third year Spanish of the entrance requirements. First term: M W F, 10, Mr. ———; second term: M W F, 10, Mr. ———; T Th S, 10, Mr. ———.

[44. Spanish. Literature of the Golden Age. Throughout the year, credit three hours a term. Prerequisite course 42, or third year Spanish of the entrance requirements. Assistant Professor KENISTON.] Not given in 1916-17.

45. Spanish. History of Spanish Literature. First term, credit three hours. Prerequisite course 42. Assistant Professor KENISTON.

A brief survey of Spanish literature. Lectures, reading, and reports. Courses 44 and 45 are usually given in alternate years.

[46. Spanish. Advanced Composition and Conversation. Throughout the year, credit three hours a term. Prerequisite course 43.] To be given in 1917-18.

47. Spanish. Old Spanish. Throughout the year, credit two hours a term. Prerequisite course 44. Assistant Professor KENISTON. Hours to be arranged.

[48. Spanish. Seminary. Throughout the year, credit two hours a term. Assistant Professor KENISTON.] Not given in 1916-17.

53. Low Latin. First term, credit two hours. Assistant Professor HAMILTON. Hours to be arranged.

55. Phonetics. Second term, credit three hours. Assistant Professor KENISTON. Hours to be arranged.

[60. Old Provençal. First term, credit two hours. Assistant Professor HAMILTON. Hours to be arranged.] Not given in 1916-17.

ENGLISH

1. Introductory Course. Throughout the year, credit four hours a term. Assistant Professors ADAMS and MONROE; Drs. BAILEY and GILBERT; Messrs. BALDWIN, HEBEL, BOULTER, BUNDY, LAPPIN, ——— and ———. Twenty-eight sections at the following hours: T W Th F, 8, 10, 11, 12, and M T Th F, 2.

2. Nineteenth Century Prose. See course 20.

3. English Literature. Throughout the year, credit four hours a term. Open only to freshmen who are not taking course 1. Lectures, T Th, 11, Goldwin Smith B. Professor SAMMON. Recitations, M W, 8, 9, 10, 11, 12. Professor STRUNK, Mr. SMITH, and Dr. BROUGHTON.

- [5. **Advanced Composition.** Throughout the year, credit three hours a term. Mr. SMITH. Not given in 1916-17.
8. **English Usage and Style.** Throughout the year, credit three hours a term. Prerequisite course 20 or its equivalent. The instructor's permission must be obtained before enrollment in the course. Professor STRUNK. T Th S, 10.
9. **Teachers' Course.** Second term, credit one hour. Dr. BAILEY. Hour to be arranged.
10. **Play Writing.** Throughout the year, credit two hours a term. Professor SAMPSON. T Th, 10.
11. **Old English.** Throughout the year, credit three hours a term. Prerequisite course 1 or 3. Assistant Professor MONROE. M W F, 11.
12. **Middle English.** Throughout the year, credit two hours a term. Prerequisite course 11. Assistant Professor NORTHUP. M W, 10.
20. **Nineteenth Century Prose.** Throughout the year, credit three hours a term. Prerequisite course 1 or 3. Assistant Professors PRESCOTT, NORTHUP, and MONROE, and Dr. BROUGHTON. M W F, 9, 11; T Th S, 10, 12.
22. **Nineteenth Century Poetry.** Throughout the year, credit three hours a term. Open to sophomores and upperclassmen. Professors SAMPSON and STRUNK; Assistant Professor PRESCOTT and Dr. BAILEY. M W F, 9; M W F, 11; T Th S, 9.
25. **Old English Readings.** Second term, credit two hours. Prerequisite first term of course 11. Assistant Professor MONROE. M W, 3, or hours to be arranged.
- [30. **Chaucer's Canterbury Tales.** Second term, credit three hours. Prerequisite course 11, 20, or 22. Professor STRUNK.] Not given in 1916-17.
- [32. **History of English Literature.** Throughout the year, credit three hours a term. Open to graduates and to upperclassmen who have taken two full years of English. Dr. BAILEY.] Not given in 1916-17.
37. **Shakespeare.** Throughout the year, credit three hours a term. Open to upperclassmen only. Professor STRUNK. M W F, 10.
38. **Eighteenth Century Poetry.** Second term, credit two hours. Prerequisite course 20 or 22. Assistant Professor MONROE. Hours to be announced.
41. **The English Drama to 1642.** Throughout the year, credit three hours a term. Open to upperclassmen only. First term, Mr. HEBEL; second term, Assistant Professor ADAMS. T Th S, 11.
42. **Elizabethan Non-Dramatic Literature.** Second term, credit three hours. Open to upperclassmen only. Assistant Professor ADAMS. T Th S, 12.
43. **Shakespearean Tragedy.** Second term, credit three hours. Open to upperclassmen only. Assistant Professor ADAMS. M W F, 11.
47. **The Principles of Poetry and Versification.** First term, credit three hours. Open to upperclassmen only. Assistant Professor PRESCOTT. M W F, 10.
- 48a. **American Literature.** First term, credit two hours. Open to seniors and graduates. Assistant Professor PRESCOTT. T Th, 12.
- 48b. **American Literature.** Second term, credit three hours. Open to seniors and graduates. Assistant Professor PRESCOTT. T Th S, 12.
- 49, 50, 51. **Studies in Literature.** The consent of the instructor must be obtained before enrollment. Open to upperclassmen only. Hours to be announced.
49. **Pastoral Poetry.** Throughout the year, credit two hours a term. Dr. BROUGHTON.
50. **Milton.** Throughout the year, credit two hours a term. Dr. GILBERT.
51. **Elizabethan Poetry.** Second term, credit two hours. Mr. HEBEL.
52. **Victorian Literature.** Throughout the year, credit three hours a term. Open to upperclassmen and graduates. Assistant Professor NORTHUP. T Th S, 9.
- 56a. **The Arthurian Legends.** First term, credit three hours. Open to upperclassmen and graduates. Assistant Professor NORTHUP. W F, 12.
- 56b. **Middle English Literature.** Second term, credit three hours. Open to upperclassmen and graduates. Assistant Professor NORTHUP. W F, 12.
59. **Dramatic Structure.** Throughout the year, credit three hours a term. Open to seniors and graduates. Professor SAMPSON. M W F, 12.
71. **English Translations of Greek and Latin Classics.** Throughout the year, credit three hours a term. Open to sophomores and upperclassmen. Professor COOPER. T, 3, Th, 3-5.
72. **The Principles of Literary Criticism.** Throughout the year, credit two hours a term. Open to seniors and graduates. Professor COOPER. W, 3-5.
73. **Dante in English.** Throughout the year, credit two hours a term. Open to seniors and graduates. Professor COOPER. M, 3-5.
74. **Early English Literary Types.** Throughout the year, credit three hours a term. Open to seniors and graduates. Professor COOPER. M 9, W 9-11, or hours to be arranged.
75. **Methods and Materials in the Study of English.** Throughout the year, credit two hours a term. Open to graduates. Professor COOPER. Th, 7.30 P. M.
- [76. **Spenser.** Throughout the year, credit two hours a term. Open to graduates. Professor COOPER.] To be given in 1917-18.
80. **Victorian Poetry.** For graduates only. Dr. BAILEY. Hours to be arranged.

81. The Tudor-Stuart Drama. For graduates only. Assistant Professor ADAMS. Hours to be arranged.
82. Pastoral Poetry. For graduates only. Dr. BROUGHTON. Hours to be arranged.
83. Layamon's Brut. For graduates only. Assistant Professor MONROE. Hours to be arranged.
84. Elizabethan Bibliography. For graduates only. Assistant Professor ADAMS. Hours to be arranged.
86. The Epic and the Romance. For graduates only. Assistant Professor NORTHUP. Hours to be arranged.
87. The Phonology, Inflections, and Metre of Old English. For graduates only. Professor STRUNK. Hours to be arranged.
88. American Literature. For graduates only. Assistant Professor PRESCOTT. Hours to be arranged.
89. The Drama. For graduates only. Professor SAMPSON. Hours to be arranged.
90. The Georgian and Victorian Drama. For graduates only. Assistant Professor NORTHUP. Hours to be arranged.
91. Celtic Philology. Old Irish. Graduates only. Mr. MALONE.

PUBLIC SPEAKING

1. Public Speaking. Throughout the year, credit three hours a term. M W F, 8, Mr. ANDERSON; M W F, 9, Assistant Professor MUCHMORE; M W F, 10, Mr. DRUMMOND; M W F, 12, Professor WINANS; T Th S, 9, Mr. STENBERG.
- 1a. Public Speaking. Second term, credit three hours. T Th S, 8, Mr. ANDERSON; T Th S, 10, Mr. STENBERG. This course repeats the work of the first term in course 1.
6. Public Speaking for Engineers. Repeated in second term, credit two hours. Mr. ANDERSON. M W, 12. Also M F, 12, if the class is large.
8. Voice Training. Repeated in second term, credit one hour. Assistant Professor MUCHMORE. T Th S, 10.
- 8a. Voice Training. Repeated in second term, credit two hours. Prerequisite consent of instructor. Assistant Professor MUCHMORE. T Th S, 10.
- [10. Oral Reading. Throughout the year, credit two hours a term. Assistant Professor MUCHMORE. W F, 11.] Not given in 1916-17.
12. Argument and Debate. Throughout the year, credit three hours a term. Mr. DRUMMOND. T Th, 12, and an hour to be arranged.
15. Advanced Public Speaking. Throughout the year, credit three hours a term. Prerequisite five hours in other courses of this department, including three hours of 1 or 1a, and the consent of the instructor. Professor WINANS. T Th S, 11.
- [16. Principles of Speech Preparation. First term, credit two hours. Prerequisite course 2. Professor WINANS. Open to graduates and seniors.] Not given in 1916-17
20. Seminary. Throughout the year, credit two hours a term. Conducted by Professor WINANS and others. Hours to be arranged.
29. Oral Expression for Architects. First term, credit three hours. Professor WINANS and Mr. STENBERG.

PHILOSOPHY

1. Problems of Philosophy. First term, credit three hours. Lectures: Professor THILLY, M W, 11; recitations: F, 11, Professor THILLY; F, 11, Mr. PAINE; F, 11, Mr. THOMAS.
2. Logic. First term, credit three hours. Mr. PAINE. M W F, 12.
3. Logic. Second term, credit three hours. Professor CREIGHTON. T Th S, 11. Dr. WRIGHT. T Th S, 9.
4. The Fine Arts: their Philosophy and History in Outline. First term, credit three hours. Professor HAMMOND. T Th S, 10.
5. History of Philosophy. Throughout the year, credit three hours a term. Professor CREIGHTON. T Th S, 9.
6. Moral Ideas and Practice. Second term, credit three hours. Lectures: Professor THILLY, M, W, 11; recitations: F, 11, Professor THILLY; F, 11, Mr. THOMAS.
7. Ethics. First term, credit three hours. Professor THILLY. M W F, 9.
8. The Renaissance. Second term, credit three hours. Professor HAMMOND. T Th S, 10.
9. Philosophical Ideas in Nineteenth Century Literature. First term, credit three hours. Professor ALBER. M W F, 12.
10. Social and Political Ethics, and the Theory of the State. Second term, credit three hours. Professor THILLY. M W F, 9. For juniors, seniors, and graduates only.
- [11. Philosophical Results and Applications. Throughout the year, credit one hour a term. Prerequisite at least one course in philosophy. Professor CREIGHTON.] Not given in 1916-17.
12. The Theory of Evolution: Its History and Significance. Throughout the year, credit one hour a term. Mr. PAINE. S, 11.

13. **Origin and Development of Religious Ideas.** First term, credit two hours. Mr PAINE. T Th, 12.
14. **Psychology and Philosophy of Religion.** Second term, credit two hours. Mr. PAINE. T Th, 12.
16. **Reading of German Philosophy.** Throughout the year, credit one hour a term. Professor HAMMOND. T, 2.
17. **Sources of Ancient and Medieval Philosophy.** Second term, credit two hours. Professor HAMMOND. M W, 9. Primarily for graduates and open to seniors only by special permission.
- [18. **Types of Metaphysical Theory.** First term, credit two hours. Prerequisite course 1 or 5 or the equivalent. Professor CREIGHTON.] Not given in 1916-17.
19. **The Development of Modern Philosophical Problems.** First term, credit three hours. Prerequisite course 5 or its equivalent. Professor CREIGHTON. T Th S, 12.
20. **History of Ethics, Ancient, Medieval, and Renaissance.** First term, credit two hours. Professor HAMMOND. M W, 11.
21. **History of Modern Ethics.** Second term, credit two hours. Professor ALBEE. M W, 11.
- [26. **Advanced Ethics.** Throughout the year, credit three hours a term. Professor THILLY. Primarily for graduates.] Not given in 1916-17.
27. **The Republic of Plato.** Throughout the year, credit three hours a term. Professor HAMMOND. Reading of the Greek text. M W F, 10.
28. **Aristotle's Ethics.** Throughout the year, credit three hours a term. Professor HAMMOND. M W F, 9.
29. **Modern Idealistic Theories of Ethics.** Throughout the year, credit three hours a term. Professor THILLY. M W F, 10. Primarily for graduates.
30. **Empiricism and Rationalism.** First term, credit three hours. Professor ALBEE. T Th S, 11. Primarily for graduates.
31. **The Critical Philosophy of Kant.** Second term, credit three hours. Professor ALBEE. T Th S, 11. Primarily for graduates.
32. **Early Rationalism: Spinoza and Leibniz.** Second term, credit two hours. Professor ALBEE. M W, 12. Primarily for graduates.
- [33. **German Pessimism, with special reference to Schopenhauer.** Second term, credit two hours. Professor ALBEE. Lectures and discussions. Primarily for graduates.] Not given in 1916-17.
34. **Problems and Methods in Recent Philosophy.** Throughout the year, credit two hours a term. Professor ALBEE. T Th, 12. Primarily for graduates.
- [35. **Logical Theory.** Throughout the year, credit two hours a term. Professor ALBEE. Primarily for graduates.] Not given in 1916-17.
37. **Seminary in Ethics.** Throughout the year, credit two hours a term. Professor THILLY.
38. **Seminary in Ancient and Medieval Philosophy.** Throughout the year, credit two hours a term. Professor HAMMOND. W, 3-5, or hours to be arranged.
40. **Seminary in Logic and Metaphysics.** T, 3-5. Professor CREIGHTON, and Dr. WRIGHT.
41. **Seminary in Aesthetics.** Throughout the year, credit two hours a term. Professor HAMMOND. Hours to be arranged.

PSYCHOLOGY

1. **Elementary Psychology.** First term, credit three hours. Professor TITCHENER, Assistant Professor WELD, Dr. BORING, and Mr. BISHOP. Lectures, T Th, 11; class room work, S, 10 or 11. Not open to juniors or seniors.
- 1a. **Elementary Psychology.** First term, credit three hours. Dr. BORING and Mr. BISHOP. Lectures, T Th, 12; class room work, S 10, 11, or 12.
This course is open to juniors and seniors.
- 1b. **Elementary Psychology.** Second term, credit three hours. Dr. BORING and Mr. BISHOP. Lectures, M W, 12.; class room work, F, 11 or 12.
Primarily for sophomores, but juniors and seniors will be admitted for two hours credit.
2. **General Psychology: Problems and Points of View.** Second term, credit three hours. Prerequisite course 1, 1a, or 1b. Assistant Professor WELD. Lectures, T Th, 11; class room work, S, 10 or 11.
3. **Experimental Psychology: Qualitative.** First or second term, credit three hours. Prerequisite course 1, 1a, or 1b. Assistant Professor WELD, Dr. BORING, and Mr. BISHOP. M W F, 2-4.
4. **Experimental Psychology: Quantitative.** First or second term, credit three hours. Prerequisite courses 1, 1a or 1b, and 3. Assistant Professor WELD. Dr. BORING, and Mr. BISHOP. M W F, 2-4.
5. **Systematic Psychology: Sensation, Image.** First term, credit three hours. Prerequisite course 3, or by special permission course 2. Assistant Professor WELD, Dr. BORING, and Mr. BISHOP. Lectures, M W F, 9.
- [5a. **Systematic Psychology: Perception and Idea.** First term, credit three hours.] Not given in 1916-17.

6. **Systematic Psychology: Feeling, Attention, Action.** Second term, credit three hours. Prerequisite course 3, or by special permission course 2. Dr. BORING, and Mr. BISHOP. Lectures. M W F, 9.

[6a. **Systematic Psychology: Memory, Imagination, and Thought; Emotion and Volition.** Second term, credit three hours.] Not given in 1916-17.

7. **Reading of German Psychology.** First term, credit one hour. Dr. BORING. Hour to be arranged.

8. **Reading of French Psychology.** Second term, credit one hour. Dr. ———. Hour to be arranged.

9. **Psychological Problems.** Throughout the year, credit one to five hours a term. Prerequisite course 4. Assistant Professor WELD, Dr. FOSTER, and Dr. BORING.

EDUCATION

1. **Educational Psychology.** Second term, credit three hours. Lectures: M W, 2. Goldwin Smith 142. Professor OGDEN.

Recitations: F, 2. Goldwin Smith 256. Professor OGDEN. Hour to be arranged. Goldwin Smith 234. Assistant Professor FOSTER. Prerequisite course, Psychology 1, 1a, or 1b.

1a. **Educational Psychology.** First term, credit three hours. Lectures: M W, 11. Goldwin Smith 142. Professor OGDEN.

Recitations: F, 11. Goldwin Smith 142, 134. Professor OGDEN and Assistant Professor FOSTER.

For students in the College of Agriculture. May be taken in conjunction with Psychology 1 or 1a in 1916-17. After that year Psychology 1, 1a, or 1b will be a prerequisite course.

2. **Principles of Education.** First term, credit three hours. Professor OGDEN. M W F, 2. Goldwin Smith 234. Prerequisite, Education 1.

3. **History of Education.** Second term, credit three hours. Assistant Professor FOSTER. M W F, 2. Goldwin Smith 234. Prerequisite, Education 1.

11. **High School Organization.** Second term, credit two hours. Professor BRISTOL. T Th, 11. Goldwin Smith 134.

12. **School Hygiene.** First term, credit two hours. Assistant Professor FOSTER. T Th, 2. Goldwin Smith 256. (Not given in 1916-17.)

13. **Philosophy of Education.** Second term, credit three hours. Professor OGDEN. Place and hours to be arranged. Prerequisites, Education 1, 2, 3, or their equivalents.

20. **Experimental Methods and Results in Education.** Second Term, credit two hours. Assistant Professor FOSTER. M, 3-5. Goldwin Smith 251. Prerequisite, Education 1, or its equivalent.

21. **Mental Tests.** First term, credit two hours. Assistant Professor FOSTER. T Th, 3-5. Goldwin Smith 248. Prerequisites, Education 1 and Psychology 3.

22. **Experimental Investigation.** Either term, hours and credit to be arranged. Assistant Professor FOSTER. Goldwin Smith 248. Prerequisite, Education 21.

23. **Reading of German Educational Psychology.** First term, credit two hours. Professor OGDEN. Hours and room to be arranged. Prerequisite, Education 1.

24. **Seminary in Education.** Throughout the year, credit two hours a term. Professor OGDEN. Hours to be arranged. Prerequisites, Education 1, 2, and 3 or their equivalents.

HISTORY

A. **The History of Civilization.** Throughout the year, F, 12. Professors SCHMIDT, SILL, BURR, and others.

1. **Greek and Roman History.** First term, credit three hours. Professor SILL. M W F, 11.

2. **Greek and Roman History.** Second term, credit three hours. Professor SILL. M W F, 11.

3. **The Roman Empire from Augustus to Justinian.** First term, credit three hours. Professor SILL. M W F, 9.

4. **Roman Empire.** Second term, credit two hours. Professor SILL. T Th, 11.

5. **History of Law.** Second term, credit three hours. Professor SILL. M W F, 9.

6. **Seminary in Greek and Roman History.** Throughout the year, credit two hours a term. Professor SILL. T, 4. Open to graduates and qualified undergraduates.

11. **The Middle Ages.** First term, credit three hours. Professor BURR. M W F, 3.

12. **The Renaissance and the Reformation.** Second term, credit three hours. Professor BURR. M W F, 3.

13. **The Rise of Tolerance.** Throughout the year, credit two hours a term. Professor BURR. T Th, 3.

[14. **Medieval Life.** First term, credit one hour. Professor BURR. S, 11.] Not given in 1916-17.

[15. **Seminary in Medieval History.** Second term, credit one hour. Professor BURR.] Replaced, for the year 1916-17, by course 13.

[16. Canon Law. Throughout the year, credit two hours a term. Professor BURR.] Not given in 1916-17.

22 and 23. Modern European History, 1618-1915. Twenty-two is first term, 23 second term; either term may be taken separately, credit two hours a term. Mr. VAN LOON. M W, 9.

24 and 25. The French Revolution and the Napoleonic Era. Twenty-four is first term, 25 second term; either term may be taken separately, credit two hours a term. Mr. VAN LOON. T Th, 9.

26. Seminary in Modern European History. Throughout the year, credit two hours a term. Mr. VAN LOON. M, 3-5.

31. English History to 1485. First term, credit three hours. Professor LUNT. T Th, 10, and an hour to be arranged.

32. English History, 1485 to 1917. Second term, credit three hours. Prerequisite course 31 or an equivalent satisfactory to the instructor. Professor LUNT. T Th, 10, and an hour to be arranged.

33. English Constitutional History to the Sixteenth Century. Second term, credit three hours. Prerequisite course 31. Professor LUNT. T Th, 9, and an hour to be arranged.

34. English History during the Tudor Period. First term, credit three hours. Professor LUNT. T Th S, 11.

35. English History during the Stuart Period. Second term, credit three hours. Professor LUNT. T Th S, 11. A continuation of course 34 to 1714.

[36. English History, 1714-1815. First term, credit three hours. Professor LUNT.] Not given in 1916-17.

[37. English History from 1815 to the Present. Second term, credit three hours. Professor LUNT.] Not given in 1916-17.

40. Selected Topics in the History of England during the Thirteenth and Fourteenth Centuries. First term, credit two hours. Professor LUNT. T, 2-4.

50. American Colonial History. First term, credit two or three hours. Professor HULL. T Th, 11.

52. American History, 1783 to 1850. First term, credit three hours. Professor BRETZ. M W F, 10.

53. American History, 1850 to 1898. Second term, credit three hours. Professor BRETZ. M W F, 10.

54. Economic History of the Colonies, 1600 to 1800. First term, credit three hours. Professor HULL. T Th S, 9.

55. Economic History of the United States, since 1800. Second term, credit three hours. Professor HULL. T Th S, 9.

56. Constitutional History of the United States since 1860. Second term, credit three hours. Prerequisite courses 52 and 53, or the equivalent. Professor BRETZ. M W F, 9.

57. Practice in Historical Investigation. First (also possibly second) term. Credit one hour a term. Professor HULL. Hour to be arranged.

58. Constitutional History of the United States to 1860. Second term, credit two hours. Prerequisite course 52. Professor HULL. T Th, 11.

59. American History: The Settlement of the Middle West. First term, credit three hours. Professor BRETZ. M W F, 9.

60. Seminary. Throughout the year, credit two hours a term. Professors HULL and BRETZ. Hours to be arranged.

[71. The Sciences Auxiliary to History. First term, credit one hour. Professor BURR.] Not open to underclassmen. Not given in 1916-17.

72. Historical Geography. Throughout the year, credit one hour a term. W, 12. Professor BURR.

73. Palaeography and Diplomatics. Throughout the year, credit one hour a term. Professor BURR. S, 12.

75. Historical Method. Throughout the year, credit one hour a term. Professor BURR. S, 10.

76. The Teaching of History. Course for Teachers. Second term, credit two hours. S, 8-10. Professor BURR with aid from his colleagues. Open only to seniors and graduates.

77. Introduction to the Literature of History. F, 3 (or as may be arranged). Professors SCHMIDT, SILL, BURR, LUNT, ———, HULL, BRETZ. For graduates only.

POLITICAL SCIENCE

51. Elementary Economics. Throughout the year, credit three hours a term. Lectures, M, 9; repeated M, 11. Professor DAVENPORT. Recitations, T Th, 8, 9, 10, 11, 12; W, F, 8, 9, 10, 11, 12. Assistant Professor USHER, Mr. CAMPBELL, Mr. HUGINS and Mr. KOCHENDERFER.

52. Elements of Economics. Throughout the year, credit two hours a term. Mr. CAMPBELL. Lectures T, 9. Recitations to be arranged.

53a. Political Institutions. First term, credit three hours. Lectures, M W, 10. Professor ORTH; quiz hours to be arranged, Assistant Professor SABY.

53b. Comparative Politics. Second term, credit three hours. Lectures, M W, 10, Professor ORTH; quiz hours to be arranged. Assistant Professor SABY.

54a. Municipal Administration. First term, credit three hours. Prerequisite course 53a. Assistant Professor Saby. M W F, 11.

[54b. State Administration. Second term, credit three hours. Prerequisite course 53a. Professor ORTH. M W F, 11.] Not given in 1916-17.

54c. Municipal Problems. Second term, credit three hours. Prerequisite course 53a. Assistant Professor Saby. T Th S, 9.

[55a. Elementary Social Science. First term, credit three hours. Course 51 should precede or be taken with this course. Professor WILLCOX. T Th S, 9.] Not given in 1916-17.

[55b. Elementary Social Science. Second term, credit three hours. Course 51 should precede or be taken with this course. Professor WILLCOX. T Th S, 9.] Not given in 1916-17.

56a. Elements of Business Law. First term, credit two hours. Professor ORTH. T Th, 12.

56b. Government Control of Industry. Second term, credit three hours. Prerequisite course 56a. Professor ORTH. T Th, 12.

57b. Lectures on Citizenship. Second term, credit two hours. M W, 12.

A lecture each Monday by a nonresident lecturer and each Wednesday by a member of the Department. The course has been arranged by a committee of Alumni who are actively engaged in civic and social work and who are cooperating in this way with the Department. It will follow the same general plan as last year, but the speakers and most of the subjects treated will be changed.

The course will be under the general charge of Professor ORTH. Reading, reports, and essays will be required.

58a. Elements of Accounting. First or second term, credit three hours. Prerequisite course 51 or its equivalent. Assistant Professor ENGLISH. First term T Th S, 8; second term M W F, 9.

58b. Principles of Accounting. Second term, credit three hours. Prerequisite course 58a. Assistant Professor ENGLISH. T Th S, 8.

[58c. Accounting Practice. First term, credit three hours. Prerequisite course 58a.] Assistant Professor ENGLISH. Nine hours of laboratory work a week, hours to be arranged. Not given in 1916-17.

59. Accounting Problems. Throughout the year, credit three hours a term. Prerequisite courses 58b and 58c, or 58c may be taken at the same time. Assistant Professor ENGLISH. M W F, 8.

[60. The American Party System. First term, credit two hours. Prerequisite course 53a. Professor ORTH.] Not given in 1916-17.

62. Industrial Organization. First term, credit two hours. Prerequisite courses 51 and 58a; or 58a may be taken at the same time. Professor KIMBALL. T Th, 12.

Seniors and graduates; others by permission. See I 11 Sibley College.

63a. Corporation Finance. First term, credit three hours. Prerequisite course 51. Professor YOUNG. T Th S, 11.

63b. Monopoly and Competition. Second term, credit three hours. Prerequisite course 51. Professor YOUNG. T Th S, 11.

64. Money and Banking. Throughout the year, credit three hours a term. Prerequisite course 51. Professor YOUNG. T Th S, 10.

[65a. The Industrial Revolution in England, 1700 to 1850. First term, credit three hours. Prerequisite course 51, previously or concurrently, or work in European history. Assistant Professor USHER.] Not given in 1916-17.

[65b. Social and Economic Problems of the 19th Century in England. Second term, credit three hours. Prerequisite course 51, previously or concurrently. Assistant Professor USHER.] Not given in 1916-17.

[66a. The Labor Problem. First term, credit three hours. Prerequisite course 51. Professor JOHNSON. M W F, 10.] Not given in 1916-17.

[66b. Socialism. Second term, credit three hours. Prerequisite course 51. Professor JOHNSON. M W F, 10.] Not given in 1916-17.

[67. Problems in Market Distribution. Throughout the year, credit two hours a term. Prerequisite course 51. Assistant Professor TURNER.] Not given in 1916-17.

[70a. Public Finance. First term, credit two hours. Prerequisite course 51. Mr. CAMPBELL. T Th, 10.] Not given in 1916-17.

71. [Investments. Second term, credit three hours. Prerequisite courses 51 and 58a, or the consent of the instructor. Assistant Professor ENGLISH.] Not given in 1916-17.

73. [Insurance. Second term, credit three hours. Prerequisite courses 51 and 58a, or the consent of the instructor. Assistant Professor ENGLISH.] Not given in 1916-17.

[75a. Social Insurance. First term, credit two hours. Prerequisite course 51. M W, 9. Dr. WOODBURY.] Not given in 1916-17.

[76b. Elementary Statistics. Second term, credit three hours. Prerequisite course 51. M W F, 9. Dr. WOODBURY. Laboratory, W, 2-4.] Not given in 1916-17.

78a. International Law and Diplomacy. First term, credit three hours. President SCHURMAN and Assistant Professor Saby. M W F, 12. Open to upperclassmen in Arts and Sciences, to students in Law, and to approved upperclassmen in other colleges.

[78b. Constitutional Government. Second term, credit three hours. Prerequisite course 53a. Professor ORTH.] Not given in 1916-17.

[79a. **History of Political Thought.** First term, credit two hours. Prerequisite course 53a. Assistant Professor SABY.] Not given in 1916-17.

79b. **Modern Political Thought.** Second term, credit three hours. Prerequisite course 53a. Assistant Professor SABY. M W F, 9.

80. **The Economic Background of Modern World Politics.** First term, credit three hours. Prerequisite course 51; open by special permission to those who have had courses in European history. Assistant Professor USHER. M W F, 12.

81. **The History of Price Making and the Growth of Produce Exchanges.** Second term, credit three hours. Prerequisite course 51; open by special permission to those who have had courses in European history. Assistant Professor USHER, M W F, 12.

87. **Principles of Economics.** Throughout the year, credit three hours a term. Professor JOHNSON. M W F, 11. Prerequisite course 51 or its equivalent.

87a. **Principles of Economics.** First term, credit three hours. Prerequisite course 51 or its equivalent. Professor DAVENPORT. T Th S, 9.

87b. **Public Revenues.** Second term, credit three hours. Prerequisite course 51 and preferably course 87a. Professor DAVENPORT. T Th S, 9.

88. **Value and Distribution.** Throughout the year, credit three hours a term. Professor DAVENPORT. Hours to be arranged.

89. **Mathematical Economics.** Throughout the year, credit two hours a term. Professor YOUNG. Hours to be arranged.

[90. **Research in Statistics.** Throughout the year, credit to be arranged. Professor WILLCOX.] Not given in 1916-17.

92. **Research in Finance.** Throughout the year, credit two or three hours a term. Professor YOUNG. Hours to be arranged.

93. **Research in Accounting.** Throughout the year, credit two or three hours a term. Assistant Professor ENGLISH. Hours to be arranged.

94. **Research in Politics.** Throughout the year, credit one to three hours a term. Professor ORTH. Hours to be arranged.

95. **Seminary in Political Science and Public Law.** Throughout the year, credit two hours a term. Professor ORTH. W, 2.30.

99. **General Seminary.** Throughout the year, credit two hours a term. Conducted by members of the department. M, 2.30-4.30. Open only to graduate students.

Rural Economy. See Rural Economy in College of Agriculture.

Attention is also called to the following courses in public law:

Constitutional Law. First term, credit two hours. Professor HAYES. M, 9, T, 10. Open to juniors and seniors; to sophomores only by permission from the Dean of the College of Law. See course 36, College of Law.

Public Officers and Municipal Corporations. Second term, credit two hours. Professor HAYES. M, 9, T, 10. Open to juniors and seniors; to sophomores only by permission from the Dean of the College of Law. See course 40, College of Law.

Theory of Law. Second term, credit one hour. Professor HAYES. T, 2. See course 29a, College of Law. Open to juniors and seniors. Alternate years.

BIBLIOGRAPHY

1. **Applied Bibliography.** First term, credit two hours. Librarian AUSTEN. T Th, 12.

2. **Bibliography.** Second term, credit one hour. Librarian AUSTEN. T, 12.

MUSIC

1. **Elementary.** Throughout the year, credit two hours a term. Professor DANN. T, 7.15 p. m. Th, 4.45 p. m.

2. **Intermediate.** Throughout the year, credit two hours a term. Open to students who have completed course 1 or the equivalent. Professor DANN. Hours to be arranged.

[3. **Choral.** Throughout the year, credit one hour a term. Professor DANN. First term, Th, 7.15 p. m.; second term, M W, 7.15 p. m.] Not given in 1916-17.

4. **Advanced Choral.** Throughout the year, credit two hours a term. Professor DANN. M, 7.15; T, 4.45; Sunday, 2.40.

10. **Harmony.** Prerequisite course 1, or the equivalent. Throughout the year, credit two hours a term. Mr. QUARLES. M W, 4.

11. **Advanced Harmony and Composition.** Open to students who have completed course 10, and to others equally qualified. Throughout the year, credit two hours a term. Mr. QUARLES. M W, 3.

12. **History and Appreciation of Music.** Throughout the year, credit two hours a term. Mr. QUARLES. M W, 2.

MATHEMATICS

1. **Solid Geometry.** Repeated in second term, credit three hours. First term, T Th S 10; second term, M W F, 10.

2. **Advanced Algebra.** Repeated in second term, credit five hours. Daily exc. S, 9.

2(E). **Advanced Algebra.** First term, credit three hours. M W F, 9.

3. **Plane Trigonometry.** Repeated in second term, credit three hours. First term, M W F, 10; second term, T Th S, 10.

5. **Analytic Geometry and Calculus.** For students in the College of Civil Engineering. Prerequisite courses 1, 2, and 3, or their equivalent.

5 (1). First term, daily except S, credit five hours. Repeated in the second term, daily, credit six hours.

5 (2). A continuation of the work of 5 (1). Second term, daily, credit six hours. Repeated in the first term of the following year.

6. **Analytic Geometry and Calculus.** For students in Sibley College. Prerequisite courses 1, 2, and 3, or their equivalent.

6 (1). First term, daily, credit six hours. Repeated in the second term.

6 (2). A continuation of the work of 6 (1). Second term, daily, credit six hours.

7. **Analytic Geometry and Calculus.** Throughout the year. Prerequisite courses 1, 2, and 3, or their equivalent. Recommended for students intending to specialize in physics or chemistry.

7 (1). First term, daily except S, credit five hours. Repeated in the second term, daily, credit six hours.

7 (2). A continuation of the work of 7 (1). Second term, daily except S, credit five hours.

8. **Analytic Geometry and Calculus.** For students in the College of Architecture. Throughout the year, credit three hours a term. Prerequisite courses 1, 2, and 3, or their equivalent. Sec. 1, M W F, 8. Sec. 2, T Th S, 8.

15. **Elementary Course in Higher Mathematics.** Throughout the year, credit two hours a term. Prerequisite courses 1, 2, and 3, or their equivalent. Assistant Professors CARVER and HURWITZ, and Drs. SILVERMAN and GABA. M F, 3.

19. **Descriptive Geometry.** First term, credit three hours. Prerequisite course 7 or its equivalent. Professor SNYDER. T Th S, 10.

[20. **Teachers' Course.** Throughout the year, credit three hours a term.] Not given in 1916-17.

21. **Theory of Numbers.** Second term, credit three hours. Assistant Professor CARVER. M W F, 11.

23. **Modern Algebra.** First term, credit three hours. Assistant Professor RANUM.

[24. **Theory of Equations.** Second term, credit three hours. Prerequisite course 7 or its equivalent. Professor TANNER.] Not given in 1916-17.

41. **Elementary Differential Equations.** Throughout the year, credit three hours a term. Prerequisite course 7 or its equivalent. Assistant Professor OWENS. T Th S, 9.

42. **Advanced Calculus.** Throughout the year, credit three hours a term. Prerequisite course 7 or its equivalent. Dr. MCKELVEY. M W F, 10. Lectures and recitations.

43. **Theory of Functions of Real Variables.** Throughout the year, credit three hours. Assistant Professor HURWITZ.

45. **Theory of Functions of a Complex Variable.** Throughout the year, credit three hours a term. Assistant Professor CRAIG. Hours to be arranged. Lectures and recitations.

61. **Projective Geometry.** Throughout the year, credit three hours a term. Prerequisite course 7 or its equivalent. Dr. GABA. M W F, 9.

62. **Advanced Analytic Geometry.** Throughout the year, credit three hours a term. Prerequisite course 7 or its equivalent. Dr. SILVERMAN. M W F, 11.

64. **Algebraic Geometry.** Second term, credit three hours. Professor SNYDER. Prerequisite courses, 7, 24, 61, 62.

[67. **Differential Geometry.** First term, credit three hours. Assistant Professor CARVER. M W F, 11.] Not given in 1916-17.

81. **Introduction to Mathematical Physics.** Throughout the year, credit three hours a term. Assistant Professor OWENS.

82. **Graphical Methods.** Throughout the year, credit three hours a term. Prerequisite course 7 or its equivalent. Mr. BETZ.

83. **Theory of Probabilities.** Throughout the year, credit two hours a term. Professor McMABON.

84. **Principles of Mechanics.** Throughout the year, credit three hours a term. Assistant Professor GILLESPIE.

[85. **Vector Analysis.** Throughout the year, credit two hours a term. Prerequisite course 7, and a knowledge of elementary physics. Assistant Professor SHARPE.] Not given in 1916-17.

86. **Potential Functions, Fourier's Series, and Spherical Harmonics.** Throughout the year, credit three hours a term. Assistant Professor SHARPE.

ASTRONOMY

1. **General Astronomy.** First term, credit three hours. Assistant Professor LELAND. M W F, 12.

2. **Observations.** Second term, credit one hour. Prerequisite course 1. Assistant Professor LELAND.

3. **Laboratory.** Second term, one hour. T or P. 2:30. Professor LELAND.

PHYSICS

2. **Introductory Experimental Physics.** Repeated in second term, credit five hours. Three lectures and two class-room periods a week. Lectures: T Th S, 9; M W F, 11. Professors NICHOLS, MERRITT, and SHEARER, and Assistant Professor GIBBS. Class-room work: Assistant Professor GIBBS and Messrs. BAILEY, BLACKBURN, BOWN, KING, MALLORY, MORATH, MURDOCK, RODGERS, SWISHER, and WEEKS.
3. **Introductory Experimental Physics.** Primarily for students in Sibley College. Repeated in second term, credit six hours. Three lectures and three class-room periods each week. Lectures: T Th S, 9; M W F, 11. Professors NICHOLS, MERRITT, and SHEARER, and Assistant Professor GIBBS. Class-room work. Assistant Professor GIBBS, and Messrs. BAILEY, BLACKBURN, KING, MORATH, and SWISHER.
- 4a. **General Physics.** Primarily for Arts Students. Class-room work, covering heat, magnetism, and electricity. First term, credit three hours. Prerequisite course 2 or 3. Assistant Professor GIBBS. M W F, 8.
- 4b. **General Physics.** Primarily for Arts students. Class-room work covering properties of matter, sound, and light. Second term, credit three hours. Prerequisite course 2 or 3. Assistant Professor GIBBS. M W F, 8.
7. **General Physics.** Primarily for students in civil engineering. Class-room work. Repeated in second term, credit three hours. Prerequisite course 2. Messrs. MURDOCK and MALLORY.
8. **Properties of Matter, Electrostatics, and Magnetism.** Primarily for students in Sibley College. Repeated in second term, credit two hours. Prerequisite course 3, also analytical geometry and the calculus. Assistant Professor RICHTMYER and Messrs. KING, BIDWELL, BROWN, GERMANN, GIBSON, MAYER, PIDGEON, and SCHELLENG. First term: eight sections, as arranged. Second term: one section, as arranged.
9. **Current Electricity and Heat.** Primarily for students in Sibley College. Repeated in second term, credit two hours. Prerequisite course 8 and the first half of 14. Instructing staff as in course 8. First term: one section, as arranged. Second term: eight sections as arranged.
- 9c. **Magnetism, Electricity, and Heat.** First term, credit two hours. Required of candidates for B.Chem. Prerequisites: Physics 2, two hours of Physics 10, and two hours of Physics 14. Two hours of 14 must be taken with 9c. Instructing staff as in Physics 8.
10. **Introductory Physical Experiments.** Either term or throughout the year, credit one to three hours a term. May be elected by students that are taking or have completed course 2, 3, 4, or 7. Assistant Professor RICHTMYER, and Messrs. MAYER, GIBSON, PEARSALL, SHEARER, and SMITH. W F S, 8-10.30., S, 10.30-1. M T Th F, 2-4.30.
12. **Physical Experiments.** Primarily for Arts students. Either term or throughout the year, credit one to four hours a term. Prerequisite at least eight hours of physics, taken from course 2, 3, 4, 7, and 10, or the equivalent. Assistant Professor RICHTMYER. T Th, 8-11, 9-12, 10-1.
14. **Physical Experiments.** Primarily for candidates for B.Chem., C.E., and M.E. Either term or throughout the year, credit one to eight hours a term. Prerequisite courses 2 and 7, or 2 and three hours of 10, or the equivalent. May be taken by students that are taking courses 8 and 9. Assistant Professor RICHTMYER, and Messrs. BIDWELL, BROWN, GERMANN, GIBSON, KING, PIDGEON, SCHELLENG, ELDRIDGE, and YORKEY. M, 9-12; W, 10-1; F S, 8-11; M T Th F, 2-5.
17. **Practice Course for Teachers.** Second term, credit three hours. Prerequisite, course 2, and two hours of 10, or the equivalent. Students expecting to teach high school physics should take at least course 4 in addition. Assistant Professor GIBBS.
18. **Theory and Practice of Photography.** Repeated in second term, credit two hours. Prerequisite, the knowledge of chemistry and physics that in general is possessed by those who have completed Chemistry 1 and Physics 2. Professor MOLER and Miss SEVERANCE. Lecture, T, 4, and one three-hour laboratory period weekly; M Th F, 2-5, or W Th, 9-12.
19. **Advanced Photography.** Repeated in second term, credit two hours. Prerequisite courses 2, 10 or 14, and 18, or the equivalent. Professor MOLER.
- [20. **Heat.** First term, credit five hours. Assistant Professor BLAKER.] Not given in 1916-17.
21. **Light.** Second term, credit five hours. Assistant Professor BLAKER. M T W Th F, 9.
- [22. **Electricity and Magnetism.** Second term, credit five hours. Assistant Professor BLAKER.] Not given in 1916-17.
23. **Properties of Matter.** First term, credit five hours. Assistant Professor BLAKER. M T W Th F, 9.
24. **Sound.** Second term, credit two hours. Assistant Professor BLAKER. T Th, 10.
25. **Advanced Laboratory Practice.** Either term or throughout the year. Credit one to three hours a term. Assistant Professor BLAKER.
26. **Photometry and Illumination.** Laboratory work. Repeated in second term, credit one to four hours a term. Prerequisite course 14. Assistant Professor RICHTMYER. T Th, 2-5.
27. **Advanced Photometry and Illumination.** Repeated in second term, and throughout the year. Credit, two to six hours a term. Prerequisite course 26. Assistant Professor RICHTMYER. Hours to be arranged.
28. **Spectrophotometry.** Repeated in second term, credit two to four hours. Prerequisite course 14. Assistant Professor RICHTMYER. Hours to be arranged.

33. Alternating Currents. First term, credit two hours. Prerequisite courses 1, 6 or 10 and 14. Professor BEDELL. T Th, 11.
34. Electrical Laboratory. Either term, or throughout the year, credit as arranged. Prerequisite courses 2, 6 or 10, and 14. Professor BEDELL and Mr. BOWN. Daily 9-1.
35. Advanced Electrical Laboratory. Either term or throughout the year, credit as arranged. Prerequisite courses 2, 6 or 10, and 14. Professor BEDELL and Mr. BOWN. Daily 9-1. Primarily for graduates.
36. Advanced Alternating Currents. Throughout the year, credit one or more hours a term. Prerequisite courses 2, 6 or 10, 14, 33. Professor BEDELL. Hours to be arranged.
37. Theses in Applied Electricity. Second term, or throughout the year, credit two to eight hours a term. Prerequisite courses 2, 6 or 10, and 14. Professor BEDELL. Hours to be arranged.
39. Design and Construction of Apparatus for Research. First term, credit two hours. Professor MOLER. Primarily for graduates.
40. Recent Advances in Experimental Physics. Throughout the year, credit one hour a term. Professor MERRITT. F, 12.
- 40a. Electric Waves and Oscillations. Second term. Credit two to four hours. Professor MERRITT. Prerequisites ordinarily course 14 and one term of course 40, or their equivalent.
- [41. Fluorescence and Phosphorescence. First term, credit one hour. Prerequisite course 10 or 14. Professor NICHOLS.] Not given in 1916-17.
- [42. History of Physics in the 19th Century. Second term, credit one hour. Prerequisite course 2. Professor NICHOLS.] Not given in 1916-17.
- [42a. History of the Electric Transmission of Intelligence. Second term, credit one hour. Prerequisite course 2. Professor NICHOLS.] Not given in 1916-17.
43. Photometry and the Physics of Illumination. First term, credit two hours. Prerequisite course 10 or 14. Professor NICHOLS.
44. X-Ray Photography. Second term, credit two hours. Prerequisite courses 2 and 10, and a general knowledge of ordinary photography. Professor SHEARER.
45. Radioactivity and Allied Phenomena. Throughout the year, credit three hours a term. Professor SHEARER. Hours to be arranged.
46. Heat. Throughout the year, credit four hours a term. Prerequisite courses 2, 7 or 10, and 14. Professor SHEARER. Hours to be arranged. Primarily for graduates.
47. Advanced X-Ray Laboratory. Either term. Hours to be arranged. Professor SHEARER. Open to students who have completed course 44.
- [48a. Voltaic Cells and Storage Batteries. First term, credit one hour. Dr. GERMANN.] Not given in 1916-17.
- 48b. Electrolysis. First term, credit one hour. Dr. GERMANN. S, 12.
- [49. Light. Throughout the year, credit four hours a term. Prerequisite courses Physics 21 and Mathematics 7 or their equivalents. Assistant Professor BLAKER. Primarily for graduates.] Not given in 1916-17.
50. Physics Seminary. Throughout the year, credit two hours a term. Professor NICHOLS. Hours to be arranged.
- [51. Theoretical Physics. Throughout the year, credit four hours a term. Professor MERRITT. Primarily for graduates.] Not given in 1916-17.
52. Theoretical Physics. Throughout the year, credit four hours a term. Professor MERRITT. Hours to be arranged. Primarily for graduates.
54. Thermodynamics. Throughout the year credit two or three hours a term. Prerequisite courses 2, 7 or 10, 14, and Mathematics 1. Physics 20 is advised, though not required, as a preliminary course. Professor TREVOR. Hours to be arranged.

CHEMISTRY

INTRODUCTORY INORGANIC CHEMISTRY

1. Introductory Inorganic Chemistry. Lectures, recitations, and laboratory. Repeated in second term, credit six hours.
- 1a. Lectures, T Th S, 11, Professor DENNIS and Mr. MCCOY; T Th S, 12, Professor BROWNE and Mr. MCCOY.
- 1b. Recitations (one hour a week to be arranged). Laboratory: first term, M F, 2-4.30; T Th, 2-4.30; W, 2-4.30 and S, 8-10.30; second term, M F, 2-4.30, T Th, 2-4.30, W, 2-4.30 and S, 8-10.30, M W, 8-10.30. Professors DENNIS and BROWNE, Dr. WELSH, and Messrs. KIRK, TRESSLER, POLLARD, F. B. SHERWOOD, MCKINNEY, ———, and ———.

ANALYTICAL CHEMISTRY

6. Qualitative and Quantitative Analysis. Repeated in second term, credit five hours. Prerequisite course 1. Dr. RHODES, and Messrs. RAY, BRAY, STUFF, NELSON, and CASE. Lectures, T Th, 12. Laboratory sections: M W F, 2-5, T Th S, 8-11; T Th S, 9-12.
7. Qualitative Analysis. Repeated in second term, credit six hours. Prerequisite course 1. Dr. RHODES, and Messrs. STUFF and NELSON. Lectures: T Th, 9. Laboratory: first term, M W, 2-5, S, 8-12; second term, T Th, 2-5, S, 8-12.

[9. **Advanced Qualitative Analysis.** Repeated in second term, credit one, two, or three hours. Prerequisite courses 7, 12, and 30. Dr. RHODES. Laboratory sections at hours to be arranged. For graduates and advanced undergraduates.] Not given in 1916-17.

12. **Quantitative Analysis, Elementary Course.** Repeated in second term, credit six hours. Prerequisite course 6 (or preferably 7). Assistant Professor LUNDELL and Messrs. KOLLER, JENKS, and JOHNSON. Lectures, first term, T Th, 9; second term, T Th, 8. Laboratory sections: M T W, 2-5.30; W Th F, 2-5.30; T Th, 10-1, S, 8-1.

14. **Quantitative Analysis, Advanced Course.** Repeated in second term, credit one to four hours. Prerequisite course 6 (or 7 and 12). Assistant Professor LUNDELL, and Messrs. KOLLER, JENKS, JOHNSON, and GILCHRIST. Laboratory sections: first term, M T Th F, 2-5.30; T Th S, 10-1; second term, M T W Th F, 2-5; T Th S, 9-12.30.

15. **Quantitative Analysis, Advanced Lectures.** Second term, credit two hours. Prerequisite course 6 (or 7 and 12). Assistant Professor LUNDELL. M W, 10.

16. **Electrochemical Analysis.** Repeated in second term, credit one to three hours. Prerequisite course 6 (or 7 and 12). Assistant Professor LUNDELL and Mr. KOLLER. Laboratory sections: first term, T Th, 2-5.30; second term, T Th, 2-5; S, 9-12.30.

18. **Assaying.** First term, credit one hour. Prerequisite course 6 (or 7 and 12), and if possible a course in mineralogy. Assistant Professor LUNDELL and Mr. GILCHRIST. Lecture F, 10. Laboratory, M W, 2-5.

19. **Qualitative and Quantitative Gas Analysis.** Lectures. Repeated second term, credit two hours. Prerequisite course 6 (or 7) and Physics 2. Assistant Professor ANDERSON. M W, 11.

20. **Technical Gas Analysis.** Laboratory. Repeated second term, credit two hours. Prerequisite course 6 (or 7) and Physics 2. Open to those who are taking or have taken course

19. Assistant Professor ANDERSON, and Messrs. ERSKINE, KOVACS, and GILCHRIST. Laboratory sections: first term, M, 2-4.30, and Th, 10-12.30; T, 10-12.30, and 2-4.30; W, 2-4.30, and F, 10-12.30; Th, 2-4.30, and S, 8-10.30; second term, M W, 2-4.30; T Th, 9-11.30; T Th, 2-4.30; S, 8-1.

21. **Gas Analysis, Advanced Course.** Repeated in second term, credit one or more hours. Prerequisite courses 1, 6 (or 7 and 12), 19, and 20; Physics 2 and 10. Assistant Professor ANDERSON. For seniors and graduate students.

24. **Opticochemical Methods.** Second term, credit three hours. Prerequisite course 6 (or 7 and 12) and Physics 2 and 10. Assistant Professor ANDERSON and Messrs. ERSKINE and SPONABLE. Lectures, T Th, 9. Laboratory sections, M T W Th F, 2-5; T F, 10-1.

25. **Opticochemical Methods, Advanced Course.** First term credit one or more hours. Prerequisite courses 1, 6 (or 7 and 12), 17, and Physics 2 and 10. Assistant Professor ANDERSON.

ORGANIC CHEMISTRY

30. **Organic Chemistry.** Throughout the year, credit six hours a term. Prerequisite course 6 (or 7 and 12). Open to those who are taking course 12. Professor ORNDORFF, Mr. MAHOOD, and Messrs. F. W. SHERWOOD, DOUGLASS, ADAMSON, and JACKSON. Lectures and written reviews, M W F, 9. Laboratory sections: M T, 1-5.30; F, 1-5.30, and S, 8-12.30.

31. **Organic Chemistry.** Throughout the year, credit three hours a term. Prerequisite course 6 (or 7 and 12). Open to those who are taking course 12. Professor ORNDORFF and Messrs. DOUGLASS and JACKSON. M W F, 9.

32. **Elementary Organic Chemistry.** First term, credit four hours. Prerequisite course 6 (or 7 and 12). Open to those who are taking course 12. Mr. MAHOOD and Messrs. ADAMSON, DOUGLASS, and JACKSON. Lectures and oral and written reviews, M W F, 12. Laboratory, T or Th, 2-5.

33. **Special Chapters in Organic Chemistry.** Throughout the year, credit two hours a term. Prerequisite course 30. Professor ORNDORFF and Mr. F. W. SHERWOOD. T Th, 9.

34. **Advanced Organic Chemistry.** Laboratory practice. Throughout the year, credit two to six hours a term. Open to those who have had course 30 and are taking 33. Professor ORNDORFF, Mr. MAHOOD, and Messrs. DOUGLASS, ADAMSON, and JACKSON.

35. **The Coal Tar Dyestuffs.** First term, credit one hour. Open to those who have had course 30 and have had or are taking 33. Professor ORNDORFF. Lectures.

[36. **Stereochemistry.** First term, credit one hour. Prerequisite course 30 or 31. Professor ORNDORFF. Lectures, Th, 12.] Not given in 1916-17.

37. **Methods of Organic Analysis.** Throughout the year, credit two to six hours a term. Prerequisite course 30. Professor ORNDORFF and Mr. MAHOOD.

INDUSTRIAL CHEMISTRY

40. **General Industrial Chemistry.** Throughout the year, credit three hours a term. Prerequisite courses 12, 30, 50, 51. Dr. RHODES. Lectures, M W F, 11.

[41. **Advanced Industrial Chemistry.** Throughout the year, credit two hours a term. Prerequisite course 40. Dr. RHODES.] Not given in 1916-17.

[42. **Chemistry of Illuminating and Power Gases.** First term, credit one hour. Prerequisite courses 6 (or 7 and 12), 19, 20. Assistant Professor ANDERSON.] Not given in 1916-17.

INORGANIC CHEMISTRY

[46. **Advanced Inorganic Chemistry.** Throughout the year, credit two hours a term. Prerequisite course 30, and open to those who have completed or are taking courses 50 and 51. Professors DENNIS and BROWNE, and Mr. BRIDGMAN.] Not given in 1916-17.

47. **Advanced Inorganic Chemistry.** Laboratory practice. Either term, credit, two, three, or four hours. Prerequisite course 30. Professors DENNIS and BROWNE and Mr. BRIDGMAN.

[48. **Selected Topics in Advanced Inorganic Chemistry.** Throughout the year, credit two hours a term. Prerequisite course 30. Courses 50 and 51 should precede or accompany this course. First term, Professor BROWNE. Second term, Dr. WELSH. Lectures, T Th, 11.] Not given in 1916-17.

49. **Chemistry of Gases.** First term, credit one hour. Prerequisite course 6 (or 7 and 12), and should be preceded or accompanied by 19 and 20. Assistant Professor ANDERSON. F, 11.

PHYSICAL CHEMISTRY

50. **Introductory Physical Chemistry.** Throughout the year, credit three hours a term. Prerequisite course 30 or 32, and Physics 2 and 10. Assistant Professor BRIGGS and Messrs. ENGELDER and ———. M W F, 9.

51. **Physical Chemistry Laboratory.** Throughout the year, credit three hours a term. Open only to those who have taken or are taking course 50. Assistant Professor BRIGGS and Messrs. ENGELDER and ———. Three laboratory periods a week, M T, 2-5; Th F, 2-5; T Th, 10-1.

[52. **Advanced Physical Chemistry.** Lectures. Throughout the year, credit three hours a term. Prerequisite course 50. Professor BANCROFT.] Not given in 1916-17.

53. **Applied Colloid Chemistry.** Lectures. Throughout the year, credit two hours a term. Professor BANCROFT. T Th, 10.

55. **Theoretical Electrochemistry.** Lectures. Throughout the year, credit three hours a term. Professor BANCROFT. M W F, 10.

56a. **Applied Electrochemistry.** Lectures. Throughout the year, credit two hours a term. Prerequisite course 6 (or 7 and 12). Assistant Professor BRIGGS and Mr. THOMPSON. M W, 12.

56b. **Applied Electrochemistry.** Throughout the year, credit two hours a term. Open to those who have had 50 and 51, and have taken or are taking 56a. Assistant Professor BRIGGS and Mr. THOMPSON. Laboratory practice: T, 8-10; W, 8-11; W, 2-5; Th, 8-10.

57. **Advanced Laboratory Practice.** Either term or throughout the year. Credit up to six hours a term. Prerequisite courses determined in each case by the professor in charge. Professor BANCROFT, Assistant Professor BRIGGS, and Messrs. ENGELDER, THOMPSON, and ———.

CHEMICAL MICROSCOPY

65. **Elementary Chemical Microscopy.** Repeated in second term, credit two hours. Prerequisite course 6 (or 7 and 12). Professor CHAMOT and Mr. COLE. Laboratory practice at hours to be arranged.

66. **Advanced Chemical Microscopy.** Second term, credit three or more hours. Prerequisite course 65. Professor CHAMOT and Mr. COLE. Laboratory practice at hours to be arranged.

SANITARY CHEMISTRY

69. **Elementary Sanitary Chemistry.** Throughout the year, credit five hours a term. Prerequisite course 6 (or 7 and 12), and course 32 (or 30, or 31). Professor CHAMOT, and Mr. GEORGIA. Lectures, M W, 11.

[70. **Special Topics in Food Examination.** First term, credit two hours. Prerequisite course 69. Mr. GEORGIA.] Not given in 1916-17.

[72. **Microscopic Examination of Foods.** Second term, credit two or more hours. Prerequisite course 65. Professor CHAMOT and Mr. COLE.] Not given in 1916-17.

75. **Special Topics in Water Examination.** Second term, credit two hours. Prerequisite course 69. Professor CHAMOT. Lectures, T Th, 12.

[78. **Advanced Sanitary Chemistry.** Throughout the year, credit two or more hours a term. Prerequisite course 69. Professor CHAMOT and Mr. GEORGIA.] Not given in 1916-17.

[80. **Toxicology.** First term, credit two hours. Prerequisite course 30. Professor CHAMOT.] Not given in 1916-17.

AGRICULTURAL CHEMISTRY

85. **Agricultural Chemistry.** Repeated in second term, credit four hours. Prerequisite course 1. Professor CAVANAUGH. Lectures, T Th S, 11. Recitations at hours to be arranged.

85a. **Agricultural Chemistry, Laboratory Course.** Repeated in second term, credit two hours. Prerequisite courses 1, 6, 85. Mr. CONLIN. T Th, 2-4.30. Designed to accompany course 85.

86. **Agricultural Chemistry, Advanced course.** First term, credit three hours. Prerequisite course 85a. Professor CROSS.

87. **Agricultural Chemistry, Laboratory Course.** First term, credit three hours. Assistant Professor RICE. M W, 1.30-5.30. Designed to accompany course 86.

88. **Agricultural Chemistry, Laboratory Course.** Second term, credit three hours. Assistant Professor RICE. M W, 1.30-5.30. Designed to accompany course 89.

89. **Agricultural Chemistry, Advanced Course.** Second term, credit three hours. Prerequisite course 85a or 93. Professor CROSS.

90. **Advanced Agricultural Analysis.** Repeated in second term. Prerequisite courses 86 and 87 (or 88 and 89). Professor CAVANAUGH, or Professor CROSS. Credit and hours to be arranged.

92. **Household Chemistry.** Repeated in second term, credit two hours. Prerequisite courses 1, 6, 32. Professor CAVANAUGH. Designed for students of home economics.

93. **Household Chemistry, Laboratory Course.** Repeated in second term, credit two hours. Assistant Professor RICE. First term, time and place to be arranged. Second term, T Th, 8-10.30. Designed to accompany course 92.

SEMINARY

95. **Seminary.** Credit one hour. For seniors who are candidates for the degree B.Chem.

RESEARCH

96. **Research for Undergraduate Students.** Throughout the year.

Seniors who are candidates for the degree B.Chem. are required to elect four hours a term in research under the direction of some member of the staff of instruction.

BOTANY

1. **General Comparative Morphology of Plants.** First term, credit three hours. Professor ATKINSON, Mr. STORK, and assistants. Lectures, M, 11. Laboratory, T Th, 2-4.30.

2. **Elementary Plant Physiology.** Second term, credit three hours. Professor ATKINSON and Mr. STORK. Lectures, M or W, 10. Laboratory W, 11-1; Th, 2-5.

3. **Special Morphology, Taxonomy, and Ecology of the Higher Plants.** Second term, credit three hours. Professor ROWLEE and Mr. ———. Lectures and recitations, W and F, 8, and four laboratory hours.

4. **Geographical Botany.** Second term, credit two hours. Professor ROWLEE and Mr. ———. Lectures, S, 8. Laboratory exercises and excursions, F, 2-5.

5. **Organography and Identification of the Higher Plants.** First term, credit three hours. Prerequisite course 3. Professor ROWLEE and Mr. ———. Lectures, S, 8. Laboratory and field work.

7. **Taxonomy and Phylogeny of Angiosperms.** Second term, credit three hours. Professor ROWLEE.

8a. **Plant Cytology.** First term, credit three hours. Prerequisite courses 1 and 2. Professor ROWLEE and Mr. ———. Lectures, F, 9. Laboratory.

8b. **Comparative Histology of Plants.** Second term, credit three hours. Prerequisite course 8a. Professor ROWLEE and Mr. ———. Lectures F, 9. Laboratory.

9a. **Dendrology.** First term, credit four hours. Course 5 may advantageously precede. Professor ROWLEE and Mr. ———. Lectures, T, 10. Laboratory and field work. Open to graduates.] Not given in 1916-17.

9b. **Xylology.** Second term, credit four hours. Courses 8b and 9a may advantageously precede this course. Professor ROWLEE and Mr. ———. Lectures, T, 10. Laboratory and field work. Open to graduates.] Not given in 1916-17.

10. **Comparative Morphology and Embryology.** Throughout the year, credit three hours a term. Prerequisite courses 1 and 2 or 3. Professor ATKINSON and Mr. STORK. Open to graduates.] Not given in 1916-17.

11. **Mycology.** Throughout the year, credit four hours a term. Prerequisite course 1 and either 2 or 3. Professor ATKINSON and Mr. STORK. Lectures, T Th, 11. Laboratory work. Open to graduates.

12. **Taxonomy of the Pteridophytes, Bryophytes, and Algae.** Throughout the year, credit three hours a term. Mr. ———. Open to graduates.] Not given in 1916-17.

13. **Research in Morphology and Embryology.** Prerequisite course 10, except by special permission. Professor ATKINSON and Mr. STORK. Open to graduates.

14a. **General Taxonomic Survey of the Fungi.** First term or throughout the year, credit four hours a term (less with special permission). Prerequisite course 11, except by special permission. Professor ATKINSON and Mr. STORK. Open to graduates.

14b. **Research in Morphology of the Fungi.** Throughout the year, credit four hours a term. Professor ATKINSON and Mr. STORK. Open to graduates.

14c. **Research in Plant Pathology.** Professor ATKINSON and Mr. STORK. Open to graduates.

16. **Research in Taxonomy and Phylogeny of the Angiosperms.** Prerequisite courses 7 and 8, except by special permission. Professor ROWLEE. Open to graduates.

17. **Research in Comparative Histology and Cytology.** Prerequisite courses 8a and 8b. Professor ROWLEE. Open to graduates.

18. **Seminary in Embryology, Mycology, Physiology, etc.** Credit one hour. Professor ATKINSON. W, 5.

19. **Seminary in Comparative Histology and Taxonomy of the Angiosperms.** Credit one hour. Professor ROWLEE.

BIOLOGY

BIOLOGY, ENTOMOLOGY, LIMNOLOGY, AND NATURE STUDY

The following courses in the College of Agriculture are likewise considered as regular courses in the College of Arts and Sciences: courses 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 19, 20, 21, 27-32, 50, 59, 60, 79; also course 1 in the Farm (field work only, credit one hour). See pages 139-141.

ZOOLOGY

1. **General Zoology.** First term, credit five hours. Assistant Professor REED, Mr. SHADLE, and assistants. Lectures, M W F, 10. and two laboratory periods a week.
- 1a. **Elements of Zoology.** Second term, credit three hours. Assistant Professor REED and Mr. SHADLE. Lecture, T, 10 and two laboratory sections a week.
3. **Comparative Anatomy of Vertebrates.** Throughout the year, credit three hours a term. Assistant Professor REED. Laboratory, M W F, 2-4.30. Prerequisite course 1 or 5.
4. **Comparative Morphology and Phylogenesis of Vertebrates.** Second term, credit three hours. Assistant Professor REED. Lectures, M W F, 10. Prerequisite course 1 or 5, elementary histology and embryology (may accompany or precede) and one of the following: course 3, 12, or medical human anatomy.
5. **Systematic Vertebrate Zoology and Ecology.** Throughout the year, credit three hours a term. Assistant Professor WRIGHT, Miss MOESEL, and Mr. JACOT. Lectures M, 8 and two laboratory sections a week.
6. **Field Ornithology.** Second term, credit three hours. Assistant Professor ALLEN and Mr. HUBBARD. Lectures, W, 11. Field work and laboratory, M W, 2-4.30, or T Th, 2-4.30. Intended for students not taking course 5.
- [7. **Ichthyology. Advanced Systematic and Field Zoology.** Second term, credit three hours. Assistant Professor WRIGHT.] Not given in 1916-17.
8. **Herpetology.** Second term, credit three hours. Assistant Professor WRIGHT. Lectures, W F, 9. Laboratory, F, 2-4.30, or S, 8-10.30.
9. **Advanced Ornithology.** First term, credit three hours. Prerequisite course 5 or 6. Assistant Professor ALLEN. Lectures, W, 11. Laboratory and field work, T Th, 2-4.30.
- [10. **Mammalogy.** First term, credit three hours. Assistant Professor WRIGHT.] Not given in 1916-17.
- [11. **Economic Ornithology.** First term, credit three hours. Should be preceded by course 5 or 6. Presupposes an elementary knowledge of botany and entomology. Assistant Professor ALLEN.] Not given in 1916-17.
12. **Mammalian Anatomy.** Second term, credit three hours. Assistant Professor REED. Laboratory, M W F, 2-4.30.
13. **Advanced Work and Research.** Throughout the year.
14. **Seminary in Systematic Vertebrate Zoology.** Throughout the year, credit one hour a term. Assistant Professor WRIGHT. Hours to be arranged.

PHYSIOLOGY AND BIOCHEMISTRY

3. **Elementary Human Physiology.** Repeated in second term, credit three hours. First term, M W F, 10, Professor SIMPSON and assistants. Second term, section A, M W F, 10, Professor SIMPSON and assistants; section B, M W F, 12, Assistant Professor DRESBACH, and assistants.
6. **Laboratory Work in Physiology.** Repeated in second term, credit two or more hours. Professor SIMPSON, Assistant Professor DRESBACH, and assistants.
7. **Seminary.** Second term, credit one hour.
8. **Advanced Work and Research in Physiology.** Throughout the year, Professor SIMPSON, Assistant Professor DRESBACH, and assistants. Daily.
14. **Elementary Biochemistry.** First term, credit three hours. Prerequisite Chemistry 32, or the equivalent. Assistant Professor SUMNER and assistant. M W F, 12.
- 14a. **Laboratory Work in Biochemistry.** First term, credit two hours. Assistant Professor SUMNER and assistant. Hours to be arranged.
17. **Special Chapters in Biochemistry.** First term, credit one hour. Prerequisite course 14, or Chemistry 31, or the equivalent of either. Assistant Professor SUMNER and assistant.
18. **Advanced Biochemistry.** Second term, credit two hours. Assistant Professor SUMNER. F S, 9.
- 18a. **Laboratory Work in Biochemistry.** Second term, credit three hours. Prerequisite Chemistry 32. Assistant Professor SUMNER and assistant.
20. **Advanced and Research Work in Biochemistry.** Throughout the year. Assistant Professor SUMNER. Daily 8-6.

ANATOMY

21. **Elementary Human Anatomy.** First term, credit three hours. Professor KERR and Mr. DAVIS. Lecture demonstrations, T Th S, 8.
22. **Anatomical Methods.** First term, credit three hours. Prerequisite Biology 1 or Zoology 1. Previous work in comparative anatomy is also recommended. Professor KERR and instructors. Laboratory F, 2-5, and any morning except Saturday.
23. **Elementary Anatomy for Students of Physical Education.** First term, credit three hours. Professor KERR and Mr. DAVIS. Hours to be arranged.
Should be preceded by Biology 1 and preceded or accompanied by Physiology 3 and Anatomy 21.

HISTOLOGY AND EMBRYOLOGY

1. **The Tissues; Histology and Histogenesis.** First term, credit four hours. No prerequisite, but previous work in biology (zoology and botany) or physiology is recommended. Professor KINGSBURY and assistants. Lectures, M W, 11. Laboratory, M W, 2-4.30.
2. **The Organs: Histology and Development.** Second term, credit four hours. Prerequisite course 1 or the equivalent. Professor KINGSBURY and assistants.
3. **Special Histology and Technique.** First term, credit two hours. Prerequisite courses 1 and 2, or 1 and 4, or the equivalent. Mr. KINGERY. Two periods, T p. m., Th p. m.
4. **Embryology of Vertebrates.** Second term, credit four hours. Prerequisite course 1 or the equivalent. Lectures or recitations, Professor KINGSBURY, F, 11, W, 8. Laboratory, Mr. KINGERY, T, p. m., Th, p. m.
5. **The Nervous System and Organs of Special Sense: Histology and Development.** Second term, credit two hours. Prerequisite course 1 or the equivalent. Laboratory work with demonstrations and quizzes. Professor KINGSBURY and Mr. ———. M, 8-1 and 2-3.
7. **Advanced Histology and Embryology.** Throughout the year, credit three or more hours a term. Prerequisite courses 1, 2, 3, or the equivalent. Laboratory work with conferences at hours to be arranged. Professor KINGSBURY and Mr. KINGERY.
8. **Seminary.** Throughout the year, credit one hour. Prerequisite courses 1, 2; may be taken with course 3 or 7. Hours to be arranged.

GEOLOGY

GENERAL GEOLOGY

1. **Elementary Geology.** Repeated in second term, credit three hours. Professor RIES and Messrs. MONNETT, HOOK, ELSTON and ———. Lectures, first term, T Th, 11; second term, T Th, 9. One laboratory period a week.

PHYSICAL GEOGRAPHY

2. **Elementary Physical Geography.** Throughout the year, credit three hours a term. Assistant Professor VON ENGELN and Messrs. ELSTON and CARNEY. Lectures, M W, 9. Laboratory M or W, 2-4.30, or if necessary, S, 10-1.
3. **Geography of North America.** Throughout the year, credit two hours a term. Prerequisite an elementary knowledge of Physical Geography, preferably course 2. Assistant Professor VON ENGELN. T Th, 10.
4. **Geography of Europe.** First term, credit two hours. Prerequisite course 2 or the equivalent. Assistant Professor VON ENGELN.] Not given in 1916-17.
5. **Glaciers and Glaciation.** Second term, credit three hours. Prerequisite course 2 or, with permission, course 1. Assistant Professor VON ENGELN, and Mr. ELSTON. Lectures, M W, 11. Laboratory, T, 2-4.30.
6. **Commercial Geography.** First term, credit two hours. Assistant Professor VON ENGELN. Lectures, T Th, 9.
8. **Advanced Physiography, Experimental and Research Work.** Throughout the year. Assistant Professor VON ENGELN and Mr. ELSTON.
9. **Seminary.** Throughout the year, credit two hours a term. For upperclass and graduate students with requisite preparation. Assistant Professor VON ENGELN. M, 4.30.
10. **Meteorology and Climatology.** See Announcement of the College of Agriculture.

MINERALOGY AND PETROGRAPHY

11. **Elementary Mineralogy.** Repeated in second term, credit three hours; if taken after course 12, credit two hours. Prerequisite Chemistry 1. Dr. VANDERMEULEN and Mr. SMITH. Lectures M W, 8. Laboratory.
12. **Crystallography.** Repeated in second term, credit three hours; if taken after course 11, credit two hours. Prerequisite Chemistry 6 or 7, and Physics 1. Dr. VANDER MEULEN and Mr. SMITH. Lectures, T Th, 8. Laboratory.
13. **Mineralogy.** Second term, credit three hours; if taken after course 11, credit two hours. Prerequisite course 12. Dr. VANDER MEULEN.] Open in 1916-17 only to those students for whom it is a required course.
14. **Blowpipe Determination of Minerals.** First term, credit one hour. Prerequisite course 11 or 13 and Chemistry 6 or 7. Dr. VANDER MEULEN. One laboratory period Saturday morning.
15. **General Lithology.** Second term, credit one hour. Prerequisite courses 1 and 11. Dr. VANDER MEULEN and Mr. SMITH. Lectures, recitations, and laboratory practice, F, 8-10, or W, 2-4.
16. **Crystal Measurement and Drawing.** Second term, credit two hours. Prerequisite course 12. Professor GILL.] Not given in 1916-17.
17. **Optical Determination of Minerals.** First term, credit three hours. Prerequisite courses 12, 13. Professor GILL. M W, and laboratory.] Not given in 1916-17.
18. **Petrography.** Second term, credit three hours. Prerequisite courses 1, 12, 13, 17. Professor GILL. M W, and laboratory.] Not given in 1916-17.
19. **Seminary in Mineralogy and Crystallography.** Throughout the year, Credit one hour a term. Prerequisite courses 12, 13, 17. Professor GILL.] Not given in 1916-17.

[20. Advanced or Special Work in Mineralogy and Petrography. Throughout the year. Prerequisite courses dependent on nature of work. Professor GILL.] Not given in 1916-17.

PALEONTOLOGY AND STRATIGRAPHIC GEOLOGY

21. Historic Geology. Second term, credit three hours. Prerequisite course 1 or its equivalent. Professor HARRIS. Lectures, T Th, 11. Laboratory.
22. Stratigraphic Geology. First and second terms, credit three hours. Prerequisite courses 1 and 21 or their equivalent. Professor HARRIS. Lectures, M W F, 11.
23. Geologic Mensuration. First term, credit two hours. Prerequisite Geology 1 and 21, or their equivalent, and spherical trigonometry. Professor HARRIS and Mr. OLSSON. Lectures or field periods, three weekly.
24. Invertebrate Paleontology. Repeated in second term, credit three hours. Prerequisite a three hour course in biology (one that includes invertebrate zoology). Professor HARRIS and Mr. OLSSON. M W, 9. Laboratory.
25. Paleontology and Stratigraphic Geology and Research. Course 1 and Biology 1 or their equivalents must be taken before or with this work. Professor HARRIS, Dr. MAURY, and Mr. OLSSON.

ECONOMIC GEOLOGY

30. Building Stones and Clay Products. First term, credit two hours. Professor RIES and Messrs. HOOK and ———. Lectures, T, 9. Laboratory, W or F, 2.
31. Engineering Geology. Throughout the year, credit three hours a term. Required of civil engineering students. Open to others only by special permission. Professor RIES, Dr. SOMERS, and Mr. ———. Lectures, M W, 10. One laboratory period a week.
32. General Economic Geology. Throughout the year, credit three hours a term. Prerequisite courses 1 and 11, or their equivalent. Professor RIES and Dr. SOMERS. Lectures, M W, 11. One laboratory, T, 2 or Th, 2.
33. Field Examination of Mineral Deposits. Second term, credit two hours. Prerequisite course 31 or 32. Professor RIES. T Th, 11.
34. Mining of Mineral Deposits. Two or three hours a term. Dr. SOMERS. Lectures, M W F, 9.
35. Clay Investigation. Prerequisite courses Geology 1 or 31 and Chemistry 1 or its equivalent. Professor RIES and Mr. HOOK. Lectures and laboratory work.
36. Advanced or Special Work in Economic Geology. Throughout the year. Prerequisite courses dependent on the nature of the work. Professor RIES.
37. Economic Geology Seminary. Throughout the year. Professor RIES. Prerequisite course 32.
39. Field Work in Mining Geology. Credit three hours. Professor RIES and Dr. SOMERS. Required of students of mining engineering.

MILITARY SCIENCE AND TACTICS

1. Practical and Theoretical Military Training. Throughout the year. Required of freshmen and sophomores. M W F, 4-45. Lieutenant THOMPSON and assistants. See page 186.
2. Elective Military Training. Throughout the year, credit two hours a term. M W F, 4-45. Prerequisite course 1. Lieutenant THOMPSON and assistants.
3. Tactics. Throughout the year, credit one hour a term. M F or S, 12.
4. Military Science and Tactics. Second term, credit two hours. T Th, 12.

PHYSICAL EDUCATION

As prerequisites to the courses described below, the work of the first two years should include Chemistry 1, Physics 2, Biology 1, Zoology 1 or 5, Physiology 3, Anatomy 21 and Psychology 1. Students intending to follow Physical Education as a profession should consult the department as to further choice of courses.

10. Principles of Physical Education. For juniors. Throughout the year, credit three hours. Lectures M W, 2. Three hours of practice. Professor YOUNG, Dr. MUNFORD, Dr. MATZKE, and Miss ATKINSON.
11. Hygiene, Personal and Public. For juniors and seniors. Throughout the year, credit one hour. Th, 12. Professor YOUNG, Dr. MUNFORD, Dr. MATZKE.
12. Physical Diagnosis. For juniors and seniors. Second term, credit two hours. W F, 11. Dr. MUNFORD and Dr. MATZKE.
- [13. Principles of Physical Education. For seniors. Throughout the year, credit three hours a term. Professor YOUNG and Miss ATKINSON.] Not given in 1916-17.

PHYSICAL TRAINING FOR MEN

1. For Freshmen Excused from Drill. Throughout the year, three periods a week. Mr. MILLER and assistants.
2. For Sophomores Excused from Drill. Throughout the year, three periods a week. Mr. MILLER and assistants.

PHYSICAL TRAINING FOR WOMEN

4. For Freshmen. Throughout the year, three periods a week. Miss CANFIELD and Miss WICKELMA.
5. For Sophomores. Throughout the year, three periods a week. Miss CANFIELD and Miss WICKELMA.

COLLEGE OF LAW

For detailed information concerning the work of the College of Law, candidates for admission to that college should consult the Announcement of the College of Law which will be sent gratis on application to the Secretary of the University.

FACULTY OF THE COLLEGE OF LAW

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President.
EDWIN HAMLIN WOODRUFF, LL.B., Dean of the Faculty and Professor of Law.
ALFRED HAYES, A.M., LL.B., Professor of Law¹.
CHARLES TRACEY STAGG, LL.B., Professor of Law and Secretary of the College.
CHARLES KELLOGG BURDICK, A.B., LL.B., Professor of Law.
OLIVER LEROY MCCASKILL, Ph.B., J.D., Professor of Procedure.
GEORGE GLEASON BOGERT, A.B., LL.B., Professor of Law.
HENRY WHITE EDGERTON, A.B., LL.B., Acting Assistant Professor of Law.

WILLIAM MACOMBER, A.B., (of the Buffalo Bar, author of "The Fixed Law of Patents"), Lecturer on the Patent Laws of the United States.
JAMES WHITE PERSONS, LL.B., (Referee in Bankruptcy, Buffalo), Lecturer on the United States Bankruptcy Act.
JUDGE HARRINGTON PUTNAM, A.B., LL.D., (Justice of the New York Supreme Court, Brooklyn), Lecturer on the Law of Shipping and Admiralty.
LUCIUS WARD BANNISTER, A.B., LL.B., (of the Denver, Colo., Bar), Lecturer on Western Water Rights.

EDWARD ECKER WILLEVER, Librarian.

THE DEGREE OF BACHELOR OF LAWS

The undergraduate instruction for students in the College of Law leads to the degree LL.B., the requirement for which is the completion of one of the following curricula.

1. The curriculum of four years, for students who have only the preparation afforded by high schools and preparatory schools.
2. The curriculum of three years, designed for college graduates or for those who have completed at least one year of college work.
3. The curriculum of six years, leading to the degree of A.B. and LL.B.

For the requirements in military science and tactics and in physical culture, see pages 186-187.

For admission to the College of Law, see page 41; for tuition in the College of Law, see page 48.

Admission to Advanced Standing

Applicants for admission to advanced standing in the three year course must be at least nineteen years of age, must satisfy the entrance requirements for admission to that course, and must pass a satisfactory examination in the work of the first year of that course. Applicants for advanced standing in the four year course must be at least eighteen years of age, must satisfy the entrance requirements for admission to that course, and must pass a satisfactory examination in the work of the first year of the three year course. The second year of the four year course may thus be anticipated by applicants who have not had a year of college work, but who nevertheless are able at the time of admission to pass satisfactory examinations in the work of the first year of the three year course. The work of the junior and senior years must be pursued in actual residence.

¹Leave of absence, 1916-17.

Admission as Special Students

Applicants who are twenty-one years of age may, in the discretion of the Faculty, be admitted to the College as special students not candidates for a degree, provided they present the New York Regents' Law Student Certificate or a substantial equivalent. This privilege will be granted only upon written application specifying the age of the applicant and the amount of preparatory study or of previous law study, and accompanied, if practicable, with certificates from the preparatory school, law school, or attorney under whose direction such studies have been pursued. New York students will not be admitted as special students unless they present a Regents' Law Student Certificate. Applicants are advised to correspond with the Dean of the College before presenting themselves in person. Special students may be admitted as candidates for a degree if they satisfy the entrance requirements before the beginning of their second year in the College.

Admission of Students from Other Colleges of the University

Subject to the regulations of the college in which he is registered, and of the College of Law, a student from another college of the University may elect work in the College of Law; but he is not permitted to do so before the beginning of his junior year, except upon presentation of special reasons to the Dean of the Law Faculty. Work permitted to be taken in the College of Law may be counted towards the law degree.

Under the regulations of the College of Arts and Sciences, a qualified senior may take all of his work in the College of Law, receiving the degree of A.B. at the end of the year and at the same time completing the work of the first year of the three year curriculum in the College of Law; by two additional years of residence in the College of Law, he will be able to satisfy the requirements for the degree of LL.B.

THE CURRICULUM OF FOUR YEARS

First or Freshman Year

2. Torts (including Master and Servant). Three hours. Acting Assistant Professor EDGERTON.

Elementary Economics. (College of Arts and Sciences, Political Science 51). Three hours. Assistant Professors TURNER and USHER, Mr. CAMPBELL, Dr. WOODBURY, Mr. HUGINS and Mr. KOCHENDERFER.

English History to 1509. (College of Arts and Sciences, History 31). First term. Three hours. Professor LUNT.

English Constitutional History to the Sixteenth Century. (College of Arts and Sciences, History 33). Second term. Three hours. Prerequisite, History 31. Professor LUNT.

Electives. Subjects in the College of Arts and Sciences. Six or seven hours each term. All electives are subject to the approval of the Dean of the College of Law.

Second or Sophomore Year

1a. Contract. Four hours until the Spring recess. Professor WOODRUFF.
[Courses 1a and 1b constitute a continuous course and registration must be for the entire year.]

1b. Agency. Four hours from the Spring recess. Professor WOODRUFF.

3. Criminal Law and Procedure. First term. Four hours. Professor BURDICK.

4. Property I. Three hours. Professor BOGERT.

5. Civil Procedure. Second term. Four hours. Professor McCASKILL.

6. Brief Making. One hour. Professor STAGG.

Electives. Subjects in Arts and Sciences. Three to six hours each term. All electives are subject to the approval of the Dean of the College of Law.

Third or Junior Year

20. Property II. First term. One hour. Professor BOGERT.

20a. Sales. First term. Three hours. Professor BOGERT.

21. Negotiable Paper. Second term. Three hours. Professor BURDICK.

22. Probate Law. First term. Three hours. Professor STAGG.

23. Equity Jurisdiction. Three hours. Acting Assistant Professor EDGERTON.

24. Insurance. Second term. Two hours. Professor WOODRUFF.
25. Domestic Relations and the Law of Persons. First term. Two hours. Professor WOODRUFF.
26. Evidence. Second term. Four hours. Professor McCASKILL.
28. Civil Procedure. First term. Three hours. Professor McCASKILL.
- 28a. Civil Procedure. Second term. Three hours. Professor STAGG.
- [29. Damages. Second term. One hour. Professor BOGERT.] Not given in 1916-17.
- [29a. Theory of Law. Second term. One hour. Professor HAYES. Not required. Alternate years.] Not given in 1916-17.
- Electives.** [Not required.] Not to exceed three hours in Arts and Sciences for students whose second year work has been satisfactory.

Fourth or Senior Year

30. Mortgages. First term. Two hours. Professor STAGG.
31. Suretyship. Second term. Two hours. Professor BURDICK.
32. Law of Associations (Partnership and Private Corporations.) Two hours. Acting Assistant Professor EDGERTON.
33. Quasi-Contracts. First term. Two hours. Professor WOODRUFF.
34. Law of Public Service and Carriers. Second term. Three hours. Professor BURDICK.
35. Practice Court. First term. Four hours. Professor McCASKILL.
36. Constitutional Law. First term. Three hours. Professor BURDICK.
37. Civil Procedure. Second term. Three hours. Professor STAGG.
38. Property III. Second term. Two hours. [In 1916-17, one hour.] Professor BOGERT.
- 38a. Trusts. Second term. Two hours. Professor BOGERT.
40. Public Officers and Municipal Corporations. First term. Two hours. Professor STAGG.
41. [Conflict of Laws. Second term. Two hours. Professor STAGG.] Not given in 1916-17.
- Elective.** See also course 29a.

THE CURRICULUM OF THREE YEARS

First Year. 1a. Contract; 1b. Agency; 2. Torts; 3. Criminal Law and Procedure; 4. Property I; 5. Civil Procedure; 6. Brief Making.

Second or Junior Year. Same as Third Year of the Four Year Curriculum.

Third or Senior Year. Same as Fourth Year of the Four Year Curriculum.

PRACTICE DEPARTMENT

The curriculum of the College of Law is not confined to instruction in the principles of substantive law and of pleading and evidence. As far as possible the student is trained to apply these principles to the more common problems met with in practice. In the first year the student receives instruction in legal bibliography, the use of authorities, the actual finding and collating of authorities, and the preparation of briefs upon elementary subjects. This is given in the class room and by library practice. He is also instructed in the organization and jurisdiction of courts, state and federal, and the commencement of actions. An extended course in New York practice is given, as it is believed that a specific study of actual practice in one jurisdiction is better than a general survey of the rules common to a number of jurisdictions, but which do not alone afford an accurate knowledge of the practice actually existing in any. A course is also given in the practice of probate courts, and in the last term of the senior year a practical course in conveyancing.

CORNELL LAW QUARTERLY

This legal periodical, published by the Faculty and an Editorial Board of students of the College of Law, was established in 1915, and is issued in November, January, March, and May. The preparation by students of notes on recent cases for publication in the *Quarterly* affords valuable training in legal research and editorial work under the supervision of members of the Faculty.

SPECIAL COURSES OF LECTURES BEFORE THE COLLEGE OF LAW**ATTENDANCE REQUIRED OF JUNIORS AND SENIORS**

The Patent Laws of the United States. Six lectures. [1916-17.] Mr. MACOMBER.

The Law of Shipping and Admiralty. Six lectures. [1916-17.] Judge PUTNAM.

The Federal Bankruptcy Act. Ten lectures. [1917-18.] Mr. PERSONS.

Western Water Rights and Irrigation Law. Ten lectures. [1917-18.] Mr. BANNISTER.

Each of the above courses is given in alternate years.

SPECIAL LECTURES BEFORE THE COLLEGE OF LAW

Provision is also made for several single lectures to be given from time to time by successful practitioners, upon topics of immediate interest. The schedule for 1915-16.

WALTER P. COOKE, LL.B., Buffalo: The Business Lawyer.

Hon. WILLIAM H. TAFT, LL.D., D.C.L., Yale University Law School: Legal Ethics.

JOHN J. KUHN, LL.B., New York: Law as a Livelihood.

Hon. GEORGE A. BLAUVELT, B.L., New York: The Mechanics of Legislation.

Hon. EDGAR T. BRACKETT, A.B., LL.D., Saratoga Springs: Some Suggestions to Future Lawyers.

Many lectures by nonresidents are given each year under the auspices of the University or some of its other colleges and are frequently of particular interest and value to students in the College of Law. Among the special lecturers in 1915-16, was the Hon. WILLIAM HOWARD TAFT, LL.D., D.C.L., Professor of Constitutional Law in the Yale University Law School who gave eight lectures on topics in law and political science.

ELECTIVES IN THE COLLEGE OF ARTS AND SCIENCES

In addition to the courses that law students are required to take in the College of Arts and Sciences in their first year of the four year curriculum, all other courses in the College of Arts and Sciences are open to law students, subject to the regulations of the College of Arts and Sciences and to the prior demands of the regular schedule of professional courses in the College of Law.

EXAMINATION AND CLASS STANDING

Examinations are held at the end of the term in the work of that term, and in September for the removal of conditions. The following grades are given upon examinations: A, excellent; B, good; C, fair; D, poor; Cond., failure to pass. AA may be given for a paper of exceptional excellence. A student failing for the first time to maintain the standard required for remaining in the college may be permitted, in the discretion of the faculty, to return the following year and repeat the entire work of the term during which the failure occurred; but a student who fails the second time will be permanently dropped. Detailed provisions with respect to examinations and class standing are stated in the Rules for the Guidance of Law Students issued on Registration Day of the first term.

For the Library of the College of Law, see page 176.

Certificate of Attendance. Each student who has been in regular attendance upon the College, whether entitled to a degree or not, may, on application to the Faculty, receive an official certificate of attendance, which states the time of his attendance, and, if desired, the measure of his attainments. The certificate of a year's satisfactory attendance required by the Bar examiners, implies not only

regular attendance upon, but also the successful completion of the prescribed course of instruction for a full year (not less than ten hours a week). Students in the four year course will therefore receive no time certificate for the first year, but will after regular attendance and on the successful completion of that course receive a time certificate for three years.

SCHOLARSHIPS AND PRIZES

The Boardman Senior Law Scholarship and the Fraser Scholarships are awarded only to students in the College of Law. For these and for the various scholarships and prizes that are open to all of the students in Cornell University see pages 177-182.

THE MEDICAL COLLEGE

FACULTY OF MEDICINE IN NEW YORK CITY

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.

WILLIAM M. POLK, M.D., LL.D., Dean and Professor of Clinical Surgery, Department of Gynæcology.

FREDERIC S. DENNIS, A.B., M.D., F.R.C.S., Professor of Clinical Surgery, Emeritus.

NEWTON M. SHAFFER, M.D., Professor of Orthopædic Surgery, Emeritus.

W. GILMAN THOMPSON, Ph.B., M.D., Professor of Medicine, Emeritus.

LEWIS A. STIMSON, A.B., M.D., LL.D., Professor of Surgery.

GEORGE WOOLSEY, A.B., M.D., Professor of Clinical Surgery.

J. CLIFTON EDGAR, Ph.B., A.M., M.D., Professor of Obstetrics and Clinical Midwifery.

JAMES EWING, A.M., Sc.D., M.D., Professor of Pathology.

GRAHAM LUSK, Ph.D., Sc.D., F.R.S., (Edin.) Professor of Physiology.

FRANK SHERMAN MEARA, A.B., Ph.D., M.D., Professor of Therapeutics.

ROBERT ANTHONY HATCHER, Ph.G., M.D., Professor of Pharmacology and Materia Medica.

CHARLES R. STOCKARD, M.S., Ph.D., Professor of Anatomy.

IRVING S. HAYNES, Ph.B., M.D., Professor of Applied Anatomy and Clinical Surgery.

THOMAS WOOD HASTINGS, A.B., M.D., Professor of Clinical Pathology.

WARREN COLEMAN, A.M., M.D., Professor of Clinical Medicine and Applied Pharmacology.

WILLIAM J. ELSER, M.D., Professor of Bacteriology.

STANLEY R. BENEDICT, Ph.D., Professor of Chemistry.

LEWIS A. CONNER, Ph.B., M.D., Professor of Medicine.

CHARLES L. GIBSON, A.B., M.D., Adjunct Professor of Surgery.

JOSEPH E. WINTERS, M.D., Professor of Clinical Medicine, Department of Pediatrics.

CHARLES L. DANA, A.M., M.D., LL.D., Professor of Clinical Medicine, Department of Neurology.

GEORGE THOMSON ELLIOT, A.B., M.D., Professor of Clinical Medicine, Department of Dermatology.

FREDERICK WHITING, A.M., M.D., Professor of Clinical Surgery, Department of Otolaryngology.

AUGUST HOCH, M.D., Professor of Clinical Medicine, Department of Psychopathology.

EDWARD L. KEYES, jr., A.B., Ph.D., M.D., Professor of Clinical Surgery, Department of Urology.

ROBERT G. REESE, Ph.G., M.D., Professor of Clinical Surgery, Department of Ophthalmology.

ALFRED S. TAYLOR, M.D., Professor of Operative Surgery.

ALEXANDER LAMBERT, A.B., Ph.B., M.D., Professor of Clinical Medicine.

CHARLES E. NAMMACK, Ph.B., M.D., LL.D., Professor of Clinical Medicine.

JOHN C. TORREY, A.B., Ph.D., Professor of Hygiene.

WILLIAM B. COLEY, A.B., A.M., M.D., Professor of Clinical Surgery.

JOHN ROGERS, A.B., Ph.D., M.D., Professor of Clinical Surgery.

HARMON SMITH, A.B., M.D., Professor of Clinical Surgery, Department of Laryngology and Rhinology.

CHARLTON WALLACE, M.D., Professor of Clinical Surgery, Department of Orthopedic Surgery.

RICHARD WEIL, M.D., Professor of Experimental Medicine.

OTTO H. SCHULTZE, A.M., M.D., Assistant Professor of Pathological Anatomy, and Professor of Medico-Legal Pathology.

LEWIS G. COLE, M.D., Professor of Roentgenology.

JAMES C. JOHNSTON, A.B., M.D., Assistant Professor of Clinical Medicine, Department of Dermatology.

JOHN R. MURLIN, A.M., Ph.D., Assistant Professor of Physiology.

JOHN A. HARTWELL, Ph.B., M.D., Assistant Professor Surgery and Professor of Clinical Surgery.

WILLIAM C. THRO, A.M., M.D., Assistant Professor of Clinical Pathology.

ISRAEL STRAUSS, A.B., M.D., Assistant Professor of Neuro-Anatomy.

JAMES MORLEY HITZROT, A.B., M.D., Assistant Professor of Clinical Surgery, Department of Surgery.

WALTER L. NILES, M.D., Assistant Professor of Clinical Medicine.

CARL J. WIGGERS, M.D., Assistant Professor of Physiology.

JEREMIAH SWEETSER FERGUSON, M.S., M.D., Secretary of the Faculty.

J. F. GUDERNATSCH, Ph.D., Assistant Professor of Anatomy.

FOSTER KENNEDY, M.D., Assistant Professor of Clinical Medicine, Department of Neurology.

WILLIAM H. SHELDON, M.D., Assistant Professor of Clinical Medicine, Department of Medicine.

GEORGE G. WARD, jr., M.D., Assistant Professor of Clinical Surgery, Department of Gynæcology.

MALCOLM GOODRIDGE, M.D., Assistant Professor of Therapeutics.

BURTON J. LEE, A.B., M.D., Assistant Professor of Clinical Surgery.

PERCY R. TURNURE, A.M., M.D., Assistant Professor of Clinical Surgery.

HAROLD C. BAILEY, M.D., Instructor in Obstetrics.

BENJAMIN S. BARRINGER, A.B., M.D., Instructor in Clinical Surgery, Department of Urology.

DAVID N. BARROWS, A.B., M.D., Instructor in Clinical Surgery, Department of Gynecology.

FENWICK BEEKMAN, M.D., Instructor in Operative Surgery.

JOSEPH C. BÖCK, Chem.E., Instructor in Chemistry.

KENNETH BULKLEY, M.D., Instructor in Clinical Surgery.

RUSSELL L. CECIL, M.D., Instructor in Clinical Pathology and Medicine.

ROBERT CHAMBERS, A.M., Ph.D., Instructor in Anatomy.

ARTHUR F. COCA, M.D., Instructor in Experimental Pathology.

CARY EGGLESTON, M.D., Instructor in Materia Medica and Pharmacology.

SEWARD ERDMAN, M.D., Instructor in Clinical Surgery.

ELSIE S. L'ESPERANCE, M.D., Instructor in Pathology.

CHARLES E. FARR, M.D., Instructor in Surgery.

LILLIAN K. P. FARRAR, A.B., M.D., Instructor in Clinical Surgery, Department of Gynecology.

HORACE W. FRINK, M.D., Instructor in Clinical Medicine, Department of Neurology.

JOHN C. A. GERSTER, M.D., Instructor in Operative Surgery.

- MALCOLM GOODRIDGE, M.D., Instructor in Therapeutics.
 GEORGE D. HAMLEN, A.M., M.D., Instructor in Obstetrics.
 ARTHUR E. HOAG, M.D., Instructor in Surgery.
 J. P. HOGUET, M.D., Instructor in Surgery.
 EDWARD W. HOLLADAY, M.D., Instructor in Clinical Surgery, Department of Gynecology.
 ARTHUR L. HOLLAND, M.D., Instructor in Clinical Medicine.
 FRANK M. HUNTOON, M.D., Instructor in Bacteriology.
 HENRY WIRT JACKSON, M.D., Instructor in Clinical Pathology.
 FREDERICK L. KEAYS, A.B., M.D., Instructor in Physical Diagnosis.
 JAMES H. KENYON, B.S., M.D., Instructor in Chemical Surgery.
 DAVID WALLACE MACKENZIE, A.B., M.D., Instructor in Clinical Surgery, Department of Urology.
 CHARLES V. MORRILL, A.M., Ph.D., Instructor in Anatomy.
 E. OSTERBERG, Instructor in Chemistry.
 GEORGE PAPANICOLAU, Ph.D., M.D., Instructor in Anatomy.
 HAROLD E. PARDEE, M.D., Instructor in Medicine.
 PERCY W. PUNNETT, Ph.D., Chemical Pathologist.
 JOHN H. RICHARDS, M.D., Instructor in Clinical Pathology and in Medicine.
 JOSEPH C. ROPER, M.D., Instructor in Clinical Medicine, Department of Pediatrics.
 HAROLD E. SANTEE, A.B., M.D., Instructor in Obstetrics and Operative Surgery.
 HANS J. SCHWARTZ, M.D., Instructor in Clinical Pathology and Clinical Instructor in Medicine, Department of Dermatology.
 MONTGOMERY H. SICARD, B.S., M.D., Instructor in Physical Diagnosis and Therapeutics.
 HARRY VAN NESS SPAULDING, M.D., Instructor in Operative Surgery.
 RALPH G. STILLMAN, M.D., Instructor in Clinical Medicine.
 BENJAMIN MORGAN VANCE, A.B., M.D., Instructor in Surgical Pathology.
 JAMES WORCESTER, M.D., Instructor in Clinical Surgery.

Clinical Instructors

- FRANKLIN T. BURKE, M.D., Clinical Instructor in Surgery, Department of Laryngology and Rhinology.
 ARTHUR H. CILLEY, M.D., Clinical Instructor in Surgery, Department of Orthopaedic Surgery.
 W. J. HEIMANN, M.D., Clinical Instructor in Medicine, Department of Dermatology.
 MORRIS J. KARPAS, M.D., Clinical Instructor in Medicine, Department of Neurology.
 GEORGE B. MCAULIFFE, A.B., M.D., Clinical Instructor in Surgery, Department of Otolaryngology.
 JOHN T. MACCURDY, M.D., Clinical Instructor in Medicine, Department of Psycho-Pathology.
 CHARLES HALPIN NAMMACK, A.B., M.D., Clinical Instructor in Medicine.
 CLARENCE P. OBENDORF, M.D., Clinical Instructor in Medicine, Department of Neurology.
 B. SAMUELS, M.D., Clinical Instructor in Surgery, Department of Ophthalmology.
 WILLIAM SHANNON, A.B., M.D., Clinical Instructor in Medicine, Department of Pediatrics.
 WILLIAM L. SOULE, A.B., M.D., Clinical Instructor in Anesthesia.

ABRAHAM STRACHSTEIN, M.D., Clinical Instructor in Surgery, Department of Urology.

ANNA TJOMSLAND, A.B., M.D., Clinical Instructor in Anæsthesia.

GEORGE W. VANDERGRIFF, A.M., M.D., Clinical Instructor in Surgery, Department of Ophthalmology.

WILLIAM D. TYRRELL, M.D., Clinical Instructor in Medicine, Department of Pediatrics.

BRAINERD H. WHITBECK, M.D., Clinical Instructor in Surgery, Department of Orthopedic Surgery.

LUCIUS A. WING, B.S., M.D., Clinical Instructor in Surgery.

W. W. WRIGHT, M.D., Clinical Instructor in Medicine, Department of Psycho-Pathology.

Assistants

E. L. BREZEE, A.B., Anatomy.

WALTER H. BRUNDAGE, M.D., Medicine.

EDWARD MCPHERSON ARMSTRONG, M.D., Clinical Surgery.

RICHARD W. BOLLING, M.D., Clinical Surgery.

LOUIS DWIGHT CHENEY, M.D., Experimental Surgery.

ROBERT J. CLEMINGER, M.D., Experimental Medicine.

CHARLES S. B. CASSASSA, A.B., M.D., Pathological Anatomy.

EARLE CONNOR, M.D., Clinical Assistant in Surgery, Department of Otology.

HELEN B. DAVIS, A.B., Chemical Assistant in Medicine.

SAMUEL M. EVANS, M.D., Clinical Assistant in Medicine, Department of Pediatrics.

JAMES BELDEN GERE, M.D., Neuro-Pathology.

J. H. GLOBUS, A.B., Anatomy.

THOMAS A. MULCAHY, M.D., Clinical Assistant in Surgery, Department of Otology.

ALFRED RAHE, A.B., Experimental Pathology.

J. A. RICHE, A.B., Physiology.

M. E. VAN FLEET, M.D., Clinical Assistant in Medicine, Department of Neurology.

GEORGE W. KUNZ, M.D., Clinical Assistant in Surgery, Department of Otology.

H. MURAYAMA, A.B., Préparateur in Anatomy.

CHARLES NORRIS, M.D., Demonstrator in Pathological Anatomy.

W. WALLACE MAVER, M.D., Roentgenology.

MORRIS KELLOG SMITH, A.M., M.D., Clinical Surgery.

Lecturers

EUGENE F. DUBOIS, M.D., Lecturer on Clinical Physiology and Instructor in Applied Pharmacology.

GEORGE GRAY WARD, jr., M.D., Lecturer on Gynæcology.

MAX EINHORN, M.D., Lecturer on Diseases of the Stomach.

FACULTY OF MEDICINE AT ITHACA

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.

ABRAM T. KERR, B.S., M.D., Professor of Anatomy and Secretary of the Medical College at Ithaca.

SIMON HENRY GAGE, B.S., Professor of Histology and Embryology, Emeritus.

WILLIAM RIDGELEY ORNDORFF, A.B., Ph.D., Professor of Organic Chemistry.

- BENJAMIN FREEMAN KINGSBURY, Ph.D., M.D., Professor of Histology and Embryology.
- SUTHERLAND SIMPSON, D.Sc., M.D., F.R.S.E., Professor of Physiology.
- JAMES BATCHELLER SUMNER, A.M., Ph.D., Assistant Professor of Biochemistry.
- MELVIN DRESBACH, M.S., M.D., Assistant Professor of Physiology.
- SAMUEL ARTHUR MAHOOD, B.S., A.M., Instructor in Chemistry.
- HUGH McMILLAN KINGERY, A.B., A.M., Instructor in Histology and Embryology.
- HENRY KENNEDY DAVIS, A.B., A.M., Instructor in Anatomy.
- ROLAND HURDON HILL, Instructor in Biochemistry.
- CHARLES ETHAN ALLEN, A.B., Assistant in Histology and Embryology.
- WILLIAM A. ADAMSON, Assistant in Chemistry.
- WILLIAM A. DOUGLASS, Assistant in Chemistry.
- WILLIAM MALCOLM STOBBS, A.B., Assistant in Anatomy.
- ROBERT SQUIER GUTSELL, A.B., Assistant in Histology and Embryology.
- JOHN EDWARD SUTTON, A.B., Assistant in Anatomy.
- HENRY BRUNER SUTTON, A.B., Assistant in Anatomy.
- JOHN STEPHENS LATTA, B.S., Assistant in Histology.
- GAYLORD KELL COOKE, Student Assistant in Histology.
- GERTRUDE A. JOHNSON, M.S., Assistant in Histology.
- JOSEPH ALMA DYE, A.B., Assistant in Physiology.
- STANLEY ROSS BURLAGE, Student Assistant in Physiology.
- AARON BODANSKY, Assistant in Biochemistry.

THE MEDICAL COLLEGE

The Cornell Medical College was founded in 1898. It comprises two divisions, one of which is in New York City, the other in Ithaca. The work of the whole curriculum of four years is given in New York City; the work of only the first year is given in Ithaca. Men may take the first year of the curriculum in New York City or in Ithaca as they may elect; women are required to take the first year in Ithaca.

BUILDINGS, LABORATORIES, AND HOSPITAL FACILITIES IN NEW YORK CITY

The main building of the Medical College in New York City, comprising the Medical School and Dispensary, is situated on First Avenue from 27th to 28th Streets.

The Loomis Laboratory, which serves the purpose of instruction in connection with the laboratories in the main building of the College, is organized as a research laboratory with special departments in bacteriology, physiological chemistry, experimental medicine, and pharmacology.

The College Dispensary, located in the main building, is intimately connected with the laboratory and research facilities of the College.

The New York Hospital. One-half of the medical, surgical, and pathological services of this hospital are assigned to the Medical College for the advancement of its teaching and research.

The Bellevue Hospital. The second of the four divisions of this hospital is at the disposal of the faculty of the Medical College for medical instruction.

The Neurological Institute. By courtesy of the Institute, certain work is offered to third and fourth year students in the Medical College.

Manhattan State Hospital, Ward's Island. Through the courtesy of the authorities of this hospital, the Professor of Psycho-pathology in the Medical College is enabled to offer in its wards clinical instruction which is conducted weekly during eleven weeks of the fourth year.

Thanks to the generosity of Dr. James Douglas, the General Memorial Hospital has recently received a large endowment for the study, treatment, and research of cancer and allied diseases, on the condition that the said Hospital devote itself exclusively to such work and also on the further condition that the Council of the Cornell University Medical College shall name the medical and surgical staff of the Hospital (subject, however, to the approval of the Board of Managers of the Hospital) and shall also approve the five medical members of the said Board of Managers and nominate their successors as from time to time vacancies occur in these positions.

Stimson Hall, the building of the Ithaca Division of the Medical College, is situated on the campus, and is a part of the general group of University buildings.

ADMISSION TO THE MEDICAL COLLEGE

Applications for admission to the Medical College are entertained from the following class of candidates.

1. Graduates of approved colleges or scientific schools.
2. Seniors in good standing in approved colleges or scientific schools upon condition that their faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and will confer upon them the bachelor's degree upon the satisfactory completion of the year's work.*
3. Persons who give evidence by examinations that they have acquired an equivalent education to that signified by a bachelor's degree, and training sufficient to enable them to profit by the instruction offered in the Medical College.

*No student under this clause is permitted to enter the second year of the Medical curriculum without the bachelor's degree obtained after at least three years of undergraduate work.

All candidates for admission to the Cornell University Medical College must have at least such knowledge of physics, inorganic chemistry, and biology as may be obtained in college by a year's work in these subjects.

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing must have met in full the requirements for admission, and must have already attended the legally required number of courses in an approved regular medical college. Applicants thus qualified may be admitted to the Cornell University Medical College under the following conditions.

1. A properly attested certificate of actual attendance at a registered medical college for the full number of years of medical study for which time credit is asked must be presented and approved.

2. A certificate showing that the student has satisfactorily completed in an approved medical college all of the required work of the years for which credit is asked must be presented and approved.

3. Subject credit will be granted on presentation and approval, by the heads of departments, of properly attested certificates stating the courses already completed in an approved medical college with the number of hours, didactic and laboratory, devoted thereto, together with the name of the instructor.

4. In the absence of the approved certificate called for in the preceding paragraph, subject credit for advanced standing will be granted only by examination.

ADMISSION TO SPECIAL COURSES

Graduates in medicine, or students who desire to pursue courses without credit toward graduation, may, on approval of the head of the department concerned, be admitted to registration in the Medical College in New York City, as special students.

TUITION AND LABORATORY FEES

The tuition for regular students in the Medical College, in New York City and in Ithaca, is \$150 a year. Laboratory fees are \$35 a year for the first three years, and \$25 for the fourth year. There is a final examination fee of \$25. A registration fee of \$5 is required of all regular students.

Tuition for special students depends on the nature of the courses pursued. For details, the Secretary of the Medical College in New York City should be consulted. All special students must pay a registration fee of \$5.00.

The Academic Year. In the Medical College in New York City, the academic year is divided into three terms of eleven, ten, and eleven weeks respectively. In the Ithaca Division of the Medical College, the academic year consists of two terms of approximately equal length.

THE DEGREE OF DOCTOR OF MEDICINE

Instruction in the Medical College leads to the degree of Doctor of Medicine, the requirement for which is the completion of the following curriculum of four years.

First Year. Major subjects: anatomy, physiology, organic chemistry (including laboratory work), histology and embryology. Minor subjects: neuro-anatomy, physiological chemistry.

Second Year. Major subjects: physiology, materia medica and pharmacology. Minor subjects: medicine, surgery, obstetrics, bacteriology, anatomy, pathology, nutrition, and applied anatomy.

Third Year. Major subjects: applied pharmacology, pathology, obstetrics. Minor subjects: medicine, surgery, clinical pathology, pediatrics, neurology, pathological anatomy urology.

Fourth Year. Major subjects: medicine, surgery, therapeutics, gynecology. Minor subjects: hygiene, ophthalmology, neurology, laryngology and rhinology, orthopedics, pediatrics, psycho-pathology, otology, dermatology.

Major and Minor Courses. Major courses are those in which a student completes his work in a given department or subject. Minor courses comprise the shorter laboratory courses and those in which instruction is given by recitation only.

Conditions allowed at the end of the first, of the second, and of the third year of the curriculum: one major and one minor; or two minor subjects. All conditions must, however, be successfully passed before admission to the succeeding year. If at the end of the fourth year any student fails to pass in not more than one major, or in two minor subjects, a re-examination in these subjects may be allowed within two weeks, and if the candidate is then successful the degree may be conferred. If the candidate fails to pass in any subject at this second examination, the work of the fourth year must be repeated. Before being readmitted to the fourth year the candidate may be required to pass a satisfactory examination in anatomy, physiology, chemistry, and materia medica, the major subjects of the preceding years.

The minimum age at graduation must be twenty-one years.

Students who have been admitted to advanced standing are required to pass at least the fourth year of the curriculum in residence at the Medical College in New York City.

A Medical Student's Certificate, issued by the Department of Education of the State of New York, is required of all students before graduation.

Candidates must have dissected at least one lateral half of the cadaver. They must, further, have taken the regular course of two weeks in practical obstetrics, and a certificate covering this course must be filed at the Secretary's office before registration for the final examinations, which begin about the last of May.

The degree will not be conferred upon any candidate who, without the special permission of the Faculty, absents himself from the public Commencement.

EXAMINATIONS AND ADVANCEMENT IN COURSE

1. **Advancement.** Students are advanced in course from one year to the next upon recommendations by heads of departments after examination in the work of the year, but examinations in major or minor subjects may, at the discretion of the head of the department, include all the work previously covered in the year or years preceding the examinations in question.

2. **Examinations.** Examinations for advancement in course, graduation, and admission to advanced standing are held at the close of the year, except that in each course extending through a part of the year only, the examination may be held at the close of the course.

A grade of 75 per cent. is required to pass; a student failing to pass is either conditioned or dropped.

A conditioned student may be re-examined at the discretion of the examiner.

A student who fails to pass all of his conditions shall not be allowed to register in the succeeding year of the curriculum, but shall be required to repeat the year.

A dropped student shall not be re-examined.

A student twice dropped from a given year of the curriculum shall not again be registered in this College.

PRIZES AND FELLOWSHIPS

The John Metcalfe Polk Prizes, the Dana Prizes, and the Whiting Prizes are open only to students in the Medical College. For these see pages 181-182.

The following fellowships are annually awarded by the Medical College in New York City. For details of award, the Announcement of the Medical College should be consulted.

Fellowships in Clinical Medicine, known as the Charles L. Sheldon Fellowships, each of the annual value of \$250 or \$200.

The Fellowship in Pathology of the annual value of \$250.

Diplomas of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England

Graduates of the Cornell University Medical College are admitted to the final examinations for diploma of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England.

Hospital Appointments

The students and graduates of the Cornell University Medical College are expected to compete for positions on the resident staff of New York, Bellevue, and other hospitals of the city.

THE COMBINED A.B. AND M.D. DEGREES

The two degrees, Bachelor of Arts and Doctor of Medicine, may be obtained in seven years. The first three years must be taken in the College of Arts and Sciences. The fourth year is the first year in the Medical College, and at the end of it the student receives the degree of A.B. The last three years are taken entirely in the College of Medicine at New York City.

COURSES OF INSTRUCTION IN NEW YORK CITY

ANATOMY

1. **Morphology.** Laboratory, 40 hours (elective), and demonstration conference, 22 hours (required). Professor STOCKARD and Dr. GUDERNATSCH.
2. **Embryology and Histology.** Laboratory course and lectures—250 hours. October to March. Required of all first year students. Drs. GUDERNATSCH, CHAMBERS, and assistants.
3. **Neuro-Histology.** Laboratory, 66 hours. Required of all first year students. Assistant Professor STRAUSS and Mr. GLOBUS.
4. **Gross Anatomy of the Human Body.** The following are the courses required. I. The Upper Extremity; II. The Head and Neck; III. The Lower Extremity; IV. The Thorax; V. The Abdomen and Pelvis. Dissection, demonstrations, recitations, and examinations. Total laboratory hours, 288 (minimum). First and second terms of the first year.
 Course VI. A Demonstration course. Optional for first year students.
 Course VII. A study room course in live anatomy. Optional for first year students.
 Course VIII. Dissection Review. A repetition of Courses I-V, giving an opportunity for advanced dissection. Optional for students of the second, third, or fourth year.
 Course IX. Topographical Anatomy. Laboratory, 99 hours. Required during the first term of second year. Professor STOCKARD, Dr. MORRILL, and assistants.
 Course X. Neuro-Anatomy. Laboratory, 22 hours. Required of all first year students. Assistant Professor STRAUSS and Mr. GLOBUS.
5. **Applied Anatomy.** First term of the second year. Laboratory, 66 hours. Professor HAYNES.
6. **Elective Courses Preparatory to the Specialties.** Optional for students of the third and fourth years. Laboratory, 40 hours. Professors STOCKARD and HAYNES and instructors.
7. **Elective Courses for Advanced Students.** Course I. General Histology. Twenty lectures, March to June. Dr. GUDERNATSCH. Registration not later than January.
 Course II. Phases of Histogenesis. Ten lectures from March to June. Assistant Professor GUDERNATSCH.
 Course III. The Anatomy of the Infant. Twenty lectures from January to March. Professor STOCKARD.
 Course IV. Developmental Arrests and Structural Deficiencies. Fifteen lectures from January to March. Professor STOCKARD.
 Course V. Experimental Embryology. Twenty lectures with conferences considering the recent literature of the subject. March to June. Professor STOCKARD.
8. **Anatomical Research.** Directed by members of the staff of instruction.

PHYSIOLOGY

Physiology. Third term of first year: four lectures a week, three laboratory periods, two conference quizzes, and a written review. First term of second year: lectures daily, three laboratory periods, conference quizzes and written reviews; fortnightly seminary.

Physiology, Experimental and Clinical. This course immediately follows the preceding course. The staff in the Department of Physiology is composed of Professor LUSK, Assistant Professors MURLIN and WIGGERS, Dr. DuBOIS, and Mr. RICH.

CHEMISTRY

Organic Chemistry. First year. First term: two lectures a week. Second term: two lectures, one recitation, and two laboratory periods each week.

Physiological Chemistry. Third term: three lectures, two recitations, and three laboratory periods each week.

Chemical Pathology. Third term. One lecture a week.

Research in Chemistry. For advanced students by appointment.

The staff in the Department of Chemistry is composed of Professor BENEDICT, and Messrs. BÖCK and OSTERBERG.

PHARMACOLOGY AND MATERIA MEDICA

1. **Elementary Pharmacy, Toxicology, and Principles of Prescription Writing.** Four hours a week during the first term.

3. **Systematic Pharmacology.** Second and third terms: forty-five hours devoted to lectures, conferences and written reviews. Professor HATCHER.

4. **Laboratory in Pharmacology.** Ninety hours. Professor HATCHER and Dr. EGGLESTON

5. **Research.** Elective. Under the supervision of members of the staff.

APPLIED PHARMACOLOGY

One didactic lecture each week throughout the third year and clinical demonstrations (52 hours) in the wards of Bellevue Hospital. Professor COLEMAN and Dr. DuBOIS.

MEDICINE

Second Year. Recitations; physical diagnosis (96 hours).

Third Year. Recitations (two each week) and written reviews; lectures (twenty-two in number); weekly clinics in Bellevue Hospital; medical diagnosis; practical work in the New York Hospital (5½ weeks).

Fourth Year. Practical work in Bellevue Hospital; clinical clerkships in the College Dispensary.

CLINICAL PATHOLOGY

Third Year. Laboratory, lectures, and recitations (100 hours).

Fourth Year. Laboratory and research by appointment.

Research for graduate students by appointment.

The staff in medicine and clinical pathology is composed of Professors CONNER, HASTINGS, LAMBERT, NAMMACK, WEIL, and Assistant Professors THRO, NILES, and SHELDON; Drs. EINHORN, SICARD, KEAYS, RICHARDS, SCHWARTZ, STILLMAN, JACKSON, HOLLAND, and CECIL.

NEW YORK HOSPITAL, CORNELL MEDICAL DIVISION

Director, Professor of Medicine (in general charge).

Hospital and University Appointees

Attending Physician, Professor of Clinical Medicine, Associate Attending Physician, Assistant Professor of Medicine. Associate Attending Physician, Instructor in Clinical Medicine. Clinical Pathologist, Instructor in Clinical Medicine. Pathologist, Professor of Bacteriology. Two Assistants Pathologists.

House Staff, Two Years Service

House Physician. First Senior Assistant Physician. Second Senior Assistant Physician. Junior Assistant Physician. Fellow in Medicine. Clinical Clerks (in sections of 10).

BELLEVUE HOSPITAL, CORNELL (SECOND MEDICAL) DIVISION**Hospital and University Appointees**

Director (Professor of Medicine). Two Visiting Physicians (*a.* Professor of Applied Pharmacology; *b.* Professor of Therapeutics). Two Assistant Visiting Physicians (*a.* Professor of Clinical Pathology; *b.* Assistant Professor of Clinical Medicine). Five Adjunct Assistant Visiting Physicians. (*a.* Chief of Clinic Out-Patient Department; *b.* Instructor in Medicine; *c.* Instructor in Therapeutics; *d.* Instructor in Physical Diagnosis; *e.* Lecturer in Clinical Physiology). One Resident, Clinical Pathologist. Five House Staff (*a.* House Physician, 2

years; *b.* Senior Physician, 2 years; *c.* Junior Physician, 2 years; *d.* Junior, Physician, 2 years; *e.* Physician, 1½ years).

University Appointees

Five Laboratory Collaborators (*a.* Physiological Chemistry; *b.* Physiology; *c.* Experimental Therapeutics; *d.* Pathology; *e.* Clinical Pathology). Clinical Clerks (in sections of ten); Clinical Pathologist for Clinical Clerks. Clinical Pathologist for Division Laboratory. Trained Nurse to aid Clinical Clerks. Four trained nurses to aid metabolism research.

This entire staff is on continuous duty throughout the college year, and during the summer season the service is maintained by a considerable portion of the staff.

In addition to the regular hospital appointees and internes, the Medical College supplies from its Department of Medicine for service in Bellevue Hospital a corps of laboratory assistants, research workers, and a special nurse.

GENERAL THERAPEUTICS

Didactic Lectures. One hour a week during the last term of the third and throughout the fourth year. Required of third and fourth year students. Professor MEARA.

Clinical Clerkships. In conjunction with the Department of Medicine this department offers to each student a "clerkship" in the wards of Bellevue Hospital for a continuous period of service, half of which time will be devoted especially to problems of medicine and half to those of therapeutics.

Recitations. One hour a week for fifteen weeks, February to May. Required of fourth-year students. Dr. GOODRIDGE.

Section Work in the College Dispensary. For students in the fourth year. Drs. SICARD and WEBSTER.

Research. For qualified students by appointment.

SURGERY

Second Year. Recitations; surgical examinations and diagnosis in the College Dispensary; operative surgery.

Third Year. Recitations; sections in the New York Hospital (three hours a week, first term), and in the College Dispensary (one hour a week, second term); clinics in Bellevue Hospital (first term); lectures (thirty-three in number, first term); weekly college clinic, first term; practical surgery at the New York Hospital (second and third terms), clinical clerkships in Bellevue and New York Hospitals, third term.

Fourth Year. First term: lectures and clinics. Second term: clinical clerkships in Bellevue and New York Hospitals (six weeks). Third term; practical surgery at the New York Hospital.

The staff in this department is composed of Professors STIMSON, TAYLOR, WOOLSEY, ROGERS, COLEY and HAYNES; Adjunct Professor GIBSON; Assistant Professors HARTWELL, HITEROT, LEE, and TURNURE, and Drs. HOGUET, WING, ERDMAN, HOAG, PEARSON, BEEKMAN, SANTEE, GERSTER, SPAULDING, FARR, BULKLEY, WORCESTER, KENYON, and VANCE.

HOSPITAL WORK

New York Hospital, Cornell (First Surgical) Division. The staff of instruction is composed of Adjunct Professor GIBSON, Assistant Professor HITEROT, and Dr. LEE.

Bellevue Hospital, Cornell (Second Surgical) Division. The staff of instruction is composed of Professors STIMSON, WOOLSEY, and ROGERS; Assistant Professor HARTWELL, and Drs. BULKLEY, and WORCESTER.

Surgical "Clerkships". Each student devotes his entire day for six weeks to the study of patients in the wards of New York and Bellevue hospitals.

OBSTETRICS

Instruction in this department is given during the second and third years of the curriculum. The work in obstetrics comprises: 1. recitations; 2. lectures; 3. obstetric clinics and conferences; 4. attendance upon cases of confinement; 5. manikin practice and section work; 6. obstetric histology, pathology, and bacteriology.

The staff of instruction in obstetrics is composed of Professor EDGAR and Drs. BAILEY, HAMILLEN and SANTEE.

PATHOLOGY

1. **General Pathology.** Lectures, and museum and microscopical demonstrations, 99 hours. Required in the third term of second year.

2. **Special Pathology.** Lectures, and museum and microscopical demonstrations, 168 hours. Required in first and second terms of third year. Professors EWING and SCHLAPP, and Drs. COCA, L'ESPÉRANCE, and GERR.

3. **Pathological Anatomy.** Lectures and demonstrations, 108 hours. Required in the third term of second year, and in the first and second terms of third year. Professor SCHULTZE and Dr. CASSASSA.

4. **Medico-legal Pathology.** Third and fourth years. Professor SCHULTZE.

5. **Autopsy Technics.** Fourth year. Two-hour periods twice a week during five weeks of the first term, and one week for ten weeks during the second term. Professor SCHULTZE and Dr. NORRIS and assistants.

6. **Special Pathology.** Lectures on special topics in pathology are given during the third and fourth years. Professors EWING, ELSE, SCHULTZE, and TORREY.

7. **Lectures in Chemical Pathology.**

8. **Recitations.** One a week.

9. **Examinations.** Written and practical examinations at the end of the year.

EXPERIMENTAL PATHOLOGY

Facilities are provided in the Loomis Laboratory for research in experimental pathology, bacteriology and hygiene, serum pathology, chemical pathology, and micro-photography. The members of this staff include: Professor TORREY, Dr. COCA, Mr. RAHE, and others.

Since 1904 the work of the Huntington Fund for Cancer Research has been located in the Laboratories of the Cornell University Medical College. The organized work in connection with this subject has been distributed among the Departments of Pathology, Professor EWING; Experimental Pathology, Professor TORREY and Dr. COCA; Chemistry, Professor BENEDICT; Anatomy, Professor STOCKARD. Clinical studies are being conducted at the General Memorial Hospital under Professors EWING, WEIL, and COLEY, and Dr. H. H. JANEWAY; at Bellevue Hospital under Professor HARTWELL; at the New York Hospital in connection with the Department of Pathology under Professor ELSE.

BACTERIOLOGY

Laboratory work and lectures, 165 hours. Required in the second year. Professor ELSE and Dr. HUNTOON.

NEUROLOGY

Third Year. Lectures and demonstrations (Professor DANA); clinics.

Fourth Year. Clinics; sections; clinical clerkships.

The staff in this department is composed of Professor DANA, Assistant Professor KENNEDY, and Drs. FRINK, OBERNDORF, and KARPAS.

PSYCHO-PATHOLOGY

Fourth Year. Didactic lectures; clinical demonstrations and practical exercises.

The staff in this department is composed of Professor HOCH and Drs. WRIGHT, and MACCURDY.

PEDIATRICS

Third Year. Weekly clinical lectures.

Fourth Year. Weekly clinical lectures; sections in the dispensary, two hours a week; clinical clerkships in the New York Hospital.

The staff in this department is composed of Professor WINTERS, and Drs. SHANNON, ROPER, and TYRRELL.

GYNECOLOGY

Third Year. Recitations and lectures; section teaching.

Fourth Year. Conferences; lectures; ward studies and demonstrations (three each week during second term); clinics (weekly during first term); and laboratory demonstrations.

The staff in this department is composed of Professor POLK, Assistant Professor WARD, and Drs. HOLLADAY, FARRAR, and BARROWS.

UROLOGY

Third Year. Clinics in Bellevue Hospital, weekly during first and second terms; lectures, ten in number, first term; sections in the College Dispensary, first term.

Fourth Year. Clinical clerkships.

The staff in this department is composed of Professor KEYES and Drs. MACKENZIE and BARRINGER.

DERMATOLOGY

Fourth Year. Demonstrations, 28 hours.

The staff in this department is composed of Professor ELLIOTT, Assistant Professor JOHNSTON, and Drs. SCHWARTZ and HEIMANN.

LARYNGOLOGY AND RHINOLOGY

Fourth Year. Didactic lectures and clinical exercises. Professor SMITH and Dr. BURKE.

OPHTHALMOLOGY

Fourth Year. Third term. Section teaching, two hours a week during eleven weeks. Professor REESE and Drs. SAMUELS and VANDEGRIFT.

OTOLOGY

Fourth Year. Sections in the College Dispensary (15 hours). Professor WHITING and Dr. MCAULLIFFE.

ORTHOPEDIC SURGERY

Fourth Year. Second term; weekly didactic and clinical lectures; ward work in the Hospital for the Ruptured and Crippled, three mornings a week for six weeks. Third term; the use of plaster of Paris and of braces. Professor WALLACE and Drs. CILLEY, KEPPLER, and WHITBECK.

ROENTGENOLOGY

Fourth Year. Lectures and demonstrations (twenty-seven hours). Professor COLE.

HYGIENE

Third Year. Lectures (ten hours). Recitations and conferences (ten hours). Professor TORREY.

Fourth Year. Lectures (twelve hours). Recitations and conferences (six hours). Professor TORREY.

MEDICAL JURISPRUDENCE

Fourth Year. Course of lectures from the standpoint of medico-legal autopsy (eighteen hours). Professor SCHULTZE.

The clinical aspects of this subject are covered in the regular courses of study by several departments and by special lectures. Professor HOCH, Professor EDGAR, and Professor HATCHER.

COURSES OF INSTRUCTION IN THE ITHACA DIVISION OF THE MEDICAL COLLEGE

ANATOMY

Courses 1, 2, 3, 5, and 6 are required of first year medical students.

1. **Anatomy of the Head and Neck.** First term. Credit four hours, twenty-two actual hours a week for seven weeks. Professor KERR, Mr. DAVIS, Mr. McCORKLE, and Mr. POTTER. Laboratory work; dissection and conference.

2. **Anatomy of the Thoracic Walls and Viscera.** First term. Credit, one hour, twenty-two actual hours a week for two weeks. Professor KERR, Mr. DAVIS, Mr. McCORKLE, and Mr. POTTER. Laboratory work; dissection and conferences.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.** First term. Credit four hours, twenty-two actual hours a week for seven weeks. Professor KERR, Mr. DAVIS, Mr. McCORKLE, and Mr. POTTER. Laboratory work; dissections and conferences.

5. **Anatomy of the Central Nervous System.** Second term. Credit, two hours, five actual hours a week. Professor KERR and Mr. DAVIS. Dissection with occasional demonstrations and recitations.

6. **Anatomy of the Living Body.** Second term. Credit one hour, two actual hours a week. Dr. KERR and Mr. DAVIS.

7. **Anatomy of the Upper Extremity.** First and second terms. Credit, two to three hours. Professor KERR and Mr. DAVIS. Laboratory work; dissection and conference.

8. **Anatomy of the Lower Extremity.** First and second terms. Credit, two to three hours. Professor KERR and Mr. DAVIS. Laboratory work; dissection and conference.

9. **Topographical Anatomy.** First and second terms. Credit, two to five hours. Prerequisite anatomy courses 1, 2, 3, 7, or 8. Professor KERR.

12. **Research in Anatomy.** For qualified students. First and second terms. Professor KERR.

HISTOLOGY AND EMBRYOLOGY

Courses 10, 10a, and 5 are required of students of medicine.

10. **Histology.** First term. Credit six hours. Professor KINGSBURY and Mr. KINGERY. Four laboratory periods and two lectures each week.

10a. **Histology.** First term. Credit, three hours. Professor KINGSBURY. Two laboratory periods and one lecture-conference each week.

5. **The Nervous System and Organs of Sense.** Second term. Credit, two hours. Professor KINGSBURY. Two laboratory periods with laboratory conferences and quisses.

3. **Special Histology and Technique.** First term. Credit, three hours. Professor KINGSBURY and Mr. KINGERY. One recitation, demonstration, or lecture. Two laboratory periods by assignment.

7. **Advanced Work in Histology and Embryology.** First and second terms. Professor KINGSBURY and Instructors. Laboratory work, eight or more actual hours a week, with seminary. Prerequisite courses 10 and 3 and a reading knowledge of French and German.

8. **Seminary.** First and second terms. One hour each week.

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY

1. **Physiology of the Cell, Muscle, Nerve, Heart and Circulation, Blood and Lymph, and Respiration.** First term. Credit, three hours. Professor SIMPSON, Assistant Professor DRESBACH, and assistants. Three lectures or recitations weekly with demonstrations.

2. **Physiology of Digestion, Excretion, Internal Secretion, Animal Heat, and Reproduction.** Second term. Credit, three hours. Professor SIMPSON, Assistant Professor DRESBACH, and assistants. Five lectures or recitations weekly for the first ten weeks of the term, with demonstrations and examinations.

4. **Experimental Physiology.** Second term. Credit, five hours. Professor SIMPSON, Assistant Professor DRESBACH, and assistants. Two six-hour laboratory periods a week.

5. **Physiology of the Nervous System and Special Senses.** Second term. Credit, two hours. Professor SIMPSON. Lectures, five weekly for the last six weeks of the term.

7. **Seminary.** Second term. Credit, one hour.

8. **Advanced Work and Research.** For qualified students, by appointment.

15. **General Biochemistry.** Second term. Credit, five hours. Two lectures or recitations and three three-hour laboratory periods weekly. Assistant Professor SUMNER and Mr. HILL.

17. **Special Chapters in Biochemistry.** First term. Credit, one hour. Assistant Professor SUMNER. Lectures.

20. **Advanced Work and Research in Biochemistry.** First and second terms. Assistant Professor SUMNER.

Course 32. Required course. See page 96.

NEW YORK STATE VETERINARY COLLEGE

For detailed information concerning the work of the Veterinary College, candidates for admission to that college should consult the Announcement of the Veterinary College which will be sent gratis on application to the Secretary of the University.

FACULTY

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
VERANUS ALVA MOORE, B.S., M.D., V.M.D., Professor of Comparative Pathology, Bacteriology, and Meat Inspection. Dean of the College.
JAMES LAW, F.R.C.V.S., Professor of Principles and Practice of Veterinary Medicine. Emeritus.
SIMON HENRY GAGE, B.S., Professor of Histology. Emeritus.
WALTER LONG WILLIAMS, Professor of Obstetrics and Research professor in the Diseases of Breeding Cattle.
PIERRE AUGUSTINE FISH, D.Sc., D.V.S., D.V.M., Professor of Veterinary Physiology and Secretary of the Faculty.
GRANT SHERMAN HOPKINS, D.Sc., D.V.M., Professor of Veterinary Anatomy and Anatomical Methods.
DENNIE HAMMOND UDALL, B.S.A., D.V.M., Professor of Veterinary Medicine and Hygiene.
SAMUEL HOWARD BURNETT, M.S., D.V.M., Professor of Comparative Pathology and Bacteriology.
HOWARD JAY MILKS, D.V.M., Professor of Therapeutics and Small Animal Clinic.
JAMES NATHAN FROST, D.V.M., Assistant Professor of Veterinary Surgery.
EARL SUNDERVILLE, D.V.M., Assistant Professor of Veterinary Anatomy.
CLIFFORD PENNY FITCH, A.M., D.V.M., Assistant Professor of Pathology and Bacteriology.
CHARLES ERNEST HAYDEN, A.B., D.V.M., Assistant Professor of Veterinary Physiology.
FREDERICK KOENIG, D.V.M., Assistant Professor of Veterinary Medicine.
EARL MAX PICKENS, D.V.M., Assistant Professor in Diagnosis.
RAYMOND RUSSELL BIRCH, B.S., D.V.M., Superintendent of the Veterinary Experiment Station.
WILLIAM EDWARD MULDOON, D.V.M., Instructor in Materia Medica.
HOWARD ECKLER JOHNSON, D.V.M., Instructor in Anatomy.
SAMUEL A. GOLDBERG, D.V.M., Assistant in Pathology.
FREDERICK CONRAD CLARK, D.V.M., Instructor in Surgery.
WILLIAM ARTHUR HAGAN, Instructor in Obstetrics.
WILLIAM ARTHUR BILLINGS, Assistant in Diagnosis.
JOSEPH BRUCE LATSHAW, B.S.A., D.V.M., Instructor in Medicine.
HENRY ASMUS, Assistant Professor of Horseshoeing.
HELENA HARRIET HAIGHT, A.B., Clerk of the College.
FRANCES B. VAN ZANDT, Librarian of the Roswell P. Flower Library.
LULU M. WILLIAMS, B.S., Assistant in the College Office.
ETHEL WILLIAMS, A.B., Assistant in Obstetrics.

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- JAMES EDWARD CREIGHTON, A.B., Ph.D., LL.D., Dean of the Graduate School.
HENRY HIRAM WING, M.S. in Agr., Professor of Animal Husbandry.

LOUIS MUNROE DENNIS, Ph.B., B.S., Professor of Inorganic Chemistry.
 BENJAMIN FREEMAN KINGSBURY, Ph.D., M.D., Professor of Histology and Embryology.
 ARTHUR WESLEY BROWNE, M.S., Ph.D., Professor of Inorganic and Analytical Chemistry.
 ELMER SETH SAVAGE, M.S.A., Ph.D., Professor of Animal Husbandry.
 EDWARD LEAMINGTON NICHOLS, B.S., Ph.D., LL.D., Professor of Physics.
 ERNEST GEORGE MERRITT, M.E., Professor of Physics.
 JOHN SANDFORD SHEARER, B.S., Ph.D., Professor of Physics.
 ROSWELL CLIFTON GIBBS, A.B., A.M., Ph.D., Assistant Professor of Physics.
 THOMAS WHITNEY BENSON WELSH, A.B., Ph.D., Instructor in Inorganic Chemistry.
 SAMUEL ARTHUR MAHOOD, B.Sc., M.A., Instructor in Organic Chemistry.
 HUGH McMILLAN KINGERY, A.M., Instructor in Histology and Embryology.
 CHARLES E. ALLEN, A.M., Assistant in Histology and Embryology.
 GUSTAVE J. NOBACK, B.S., Assistant in Histology and Embryology.
 CHARLES M. PUTNEY, Assistant in Histology and Embryology.

Nonresident Lecturers for 1915-16

Harris Moak.....	Brooklyn	J. W. Adams.....	Philadelphia, Pa.
Cassius Way.....	New York City	Frank H. Miller.....	New York City
J. G. Wills.....	Albany	W. G. Hollingworth.....	Utica
Adolph Eichhorn...	Washington, D. C.		

THE VETERINARY COLLEGE

Instruction in veterinary subjects has been a part of the work of Cornell University since its foundation. During the earlier years of the University, this instruction was in charge of the Department of Agriculture, and it was continued as a distinctive part of the work of the College of Agriculture when in 1888 that college was created as the successor of the Department of Agriculture.

The Veterinary College was established as a separate college of Cornell University in the year 1894, in accordance with an Act of the Legislature of the State of New York creating a State Veterinary College at Cornell University.

The Veterinary College as it exists today is supported by the State of New York, and is administered by Cornell University under the direction of a committee of its Board of Trustees known as the Veterinary College Council. In respect to all academic interests, the Veterinary College is an integral part of Cornell University.

For admission to the Veterinary College, see page 41; for tuition in the Veterinary College, see page 48.

THE DEGREE OF DOCTOR OF VETERINARY MEDICINE

The undergraduate instruction for regular students in the Veterinary College leads to the degree of Doctor of Veterinary Medicine, the requirement for which is the completion of one of the following curricula.

Beginning with the session 1916-17, students will be required to take the four year course for the degree of Doctor of Veterinary Medicine.

Curriculum of Four Years

FIRST YEAR

	No. of Course	Credit 1st Term	Credit 2d Term	Total of Actual Hours
Physics	2	5	—	75
Histology	6	3	3	60
Anatomy	1	3	—	405
"	2	1	—	
"	3	2	—	
"	4	—	6	
Physiology, Lectures	10	3	—	90
" Recitations	11	—	3	
Chemistry	1	—	6	135
Military Drill	1	—	—	90
		17	18	855

SECOND YEAR

Anatomy	5	4	—
"	6	2	—
Physiology, Recitations	12	2	—
" Laboratory	13	2	—
" Lectures	14	—	2
Pharmacology	20	2	—
"	(add)	—	2
Materia Medica	21	2	—
General Pathology	40	4	—
Bacteriology	43	—	5
General Surgery	30	—	4
Physical Diagnosis	51	—	2
Zoology	—	—	3
Military Drill	—	—	—
		18	18

THIRD YEAR

Consulting Clinic	34	1	1
Small Animal Clinic	25	1	1
Surgical Exercises	31	1	—
Medicine	50	2	3
Animal Husbandry	—	3	3
Autopsies	—	1	1
Special Surgery	32	5	—
Special Pathology	41	2	2
Parasitology	44	2	—
Physical Diagnosis	—	1	—
Diseases of Small Animals	22	—	2
Infectious Diseases, Lectures	42	—	2
" " Laboratory	—	—	1
Surgical Anatomy	—	—	1
Urine Analysis	15	—	1
		19	18

FOURTH YEAR

Materia Medica	23	2	—
Surgical Clinic	33	2	2
Ambulatory Clinic	58	2	2
Small Animal Clinic	25	1	1
Consulting Clinic	34	1	1
Embryology	—	2	—

	No. of Course	Credit 1st Term	Credit 2d Term	Total of Actual Hours
Horseshoeing	52	1	—	
Horseshoeing Exercises	57	—	1	
Medicine	—	3	2	
Immunity	—	2	—	
Botany	—	3	—	
Autopsies	—	1	1	
Meat Inspection	—	—	1	
Dairy Inspection	—	—	1	
Obstetrics	36	—	3	
Diseases of the Genital Organs	—	—	2	
Ophthalmology	55	—	1	
Hygiene	56	—	1	
		20	19	

Remainder of Curriculum of Three Years
(To be discontinued after 1917 and 1918 respectively)

SECOND YEAR				
Anatomy	5	4	—	} 225
"	6	2	—	
Physiology	12	1	—	15
"	13	1	—	15
Pharmacology	20	2	—	30
Materia Medica and Pharmacy	21	2	—	75
General Pathology	40	4	—	105
Special Pathology	41	—	2	53
Parasites	44	2	—	53
Small Animal Clinic	25	—	1	45
Consulting Clinic	34	—	1	45
Bacteriology	43	—	5	143
General Surgery	30	—	4	97
Physical Diagnosis	51	—	2	30
Horseshoeing	52	—	1	15
Ophthalmology	55	—	1	15
Hygiene	56	1	—	15
Horseshoeing Exercises	57	—	1	45
		19	18	1021
THIRD YEAR				
Embryology	—	—	1	54
Urine Analysis	15	1	—	45
Diseases of Small Animals	22	—	2	30
Materia Medica and Therapeutics	23	2	—	30
Surgical Exercises	31	1	—	45
Special Surgery	32	4	—	60
Obstetrics	36	—	4	60
Infectious Diseases	42	—	2	30
Special Pathology	41	2	—	53
Meat and Dairy Inspection	48	—	1	15
Small Animal Clinic	25	1	1	90
Consulting Clinic	34	1	1	90
Surgical Clinic	33	2	2	180
Ambulatory Clinic	58	1	1	90
Medicine	50	5	5	150
		20	20	1022

For the Curriculum of Seven Years in Agriculture and Veterinary Medicine, see page 135.

SCHOLARSHIPS AND PRIZES

The Horace K. White Prizes; The Hollingworth Honorarium for Research; The Jane Miller Prize; and The James Gordon Bennett Prize are awarded to students in the Veterinary College. For these and for the scholarships and prizes that are open to all students of the University, see page 177.

Student Assistants. Three positions as student assistants are open to capable veterinary students in their senior year (salaries from \$125 to \$300 a year).

STUDY FOR PRACTITIONERS

Veterinarians who are legally authorized to practise at their places of residence will be admitted to any class in the College at any time and for such period as they may elect, without entrance examination. They will be entirely free to elect any studies that are being regularly taught at the time, and may enjoy all opportunities and facilities offered to regular students as long as these opportunities do not interfere with the instruction of the regular students.

No tuition will be required from licensed veterinarians practising in the State of New York.

COURSES OF INSTRUCTION

ANATOMY

1. **Comparative Osteology.** Three hours. First term. Lectures, W, 9. From September to February there will be five periods of laboratory work, M T Th F, P. M., S, 10-1.
2. **Arthrology.** One hour. First term. Professor HOPKINS and Assistants.
3. **Myology and Abdominal Viscera.** Three hours. First term. Lectures and laboratory. Professor HOPKINS, Assistant Professor SUNDERVILLE, and Assistants.
4. **Myology, Thoracic and Abdominal Viscera, Lymphatic System and Organs of Special Senses.** Five hours. Second term. Lectures and written reviews, recitations, and laboratory. Professor HOPKINS, Assistant Professor SUNDERVILLE, and Assistants.
5. **Blood Vessels and Nerves of the Arm and Leg.** Three hours. First term. Laboratory. Professor HOPKINS, Assistant Professor SUNDERVILLE, and Assistants.
6. **Blood Vessels and Nerves of the Head; the Central Nervous System and Genital Organs.** Three hours. First term. Laboratory. Professor HOPKINS, Assistant Professor SUNDERVILLE, and Assistants.
7. **Surgical Anatomy.** Second term. Hours to be arranged.
Open to those who have completed the required courses in anatomy and to practitioners. Professor HOPKINS, Assistant Professor SUNDERVILLE.
8. **Advanced Anatomy.** Two or more hours. Laboratory. Professor HOPKINS and Assistant Professor SUNDERVILLE.

PHYSIOLOGY

10. **The Physiology of the Nutrition and Secretion of the Domesticated Animals.** First term, credit three hours. Professor FISH.
11. **Physiology Recitations.** Second term, credit three hours. Professor FISH and Assistant Professor HAYDEN.
12. **Physiology Recitations.** First term, second year, credit one hour. Professor FISH and Assistant Professor HAYDEN.
13. **The Physiology of the Muscular and Nervous Systems.** First term, second year, credit one hour. Professor FISH.
- [14. **Physiological Laboratory.** First term, second year, five hours a week. Professor FISH, Assistant Professor HAYDEN, and Assistants.] Not given in 1916-17.
15. **Urine Analysis.** First term, third year, three hours a week. Professor FISH, Assistant Professor HAYDEN, and Assistants.
16. **Advanced Physiology.** Five or more hours a week. Professor FISH and Assistants.

MATERIA MEDICA AND SMALL ANIMAL CLINIC

20. **Pharmacology.** First term. Professor MILKS.
21. **Materia Medica and Pharmacy Laboratory.** First term, five hours a week. Professor MILKS and Dr. MULDOON.
22. **Diseases of the Small Animals.** Second term, fourth year, two hours a week. Professor MILKS.
23. **Recitations in Materia Medica and Therapeutics.** First term. Professor MILKS.
24. **Advanced Work.** Five or more hours a week. Professor MILKS and Dr. MULDOON.
25. **Small Animal Clinic.** Six actual hours a week. Professor MILKS and Dr. MULDOON.

SURGERY

30. **General Surgery.** Second year. Second term, four recitations or laboratory periods a week. Assistant Professor FROST.
Prerequisite courses 1, 2, and 3 in anatomy, course 10 in physiology, course 6 in histology and embryology, and course 40 in general pathology.
31. **Surgical Exercises.** Three hours a week of laboratory work. Third year, first term. Assistant Professor FROST and Dr. CLARK.
32. **Special Surgery.** Third year, first term. Four lectures or recitations a week. Assistant Professor FROST.
33. **Surgical Clinics.** Six actual hours or more a week throughout the third year. Assistant Professor FROST and Dr. CLARK.
Prerequisites, courses 30 and 31.
34. **Consulting Clinic.** Six actual hours a week for three terms. Assistant Professor FROST and Dr. CLARK.

OBSTETRICS AND DISEASES OF BREEDING CATTLE, JURISPRUDENCE

35. **Jurisprudence.** A series of lectures during the second term of the third year.
36. **Obstetrics and the Diseases of Breeding Animals.** Four lectures or recitations per week in the second term of the third year. Professor WILLIAMS. Prerequisite: Course 30.

COMPARATIVE PATHOLOGY, BACTERIOLOGY, AND MEAT INSPECTION

40. **General Pathology.** First term. Prerequisite, normal histology and at least one year's work in anatomy and physiology. Two recitations and five hours laboratory work each week. Professors MOORE, BURNETT and Dr. GOLDBERG.
41. **Special Pathology.** Second term, second year and first term, third year. Prerequisite course 40. One lecture and one laboratory period each week. Professor BURNETT and Dr. GOLDBERG.
42. **Pathology of Infectious Diseases.** Second term. Open to students who have taken courses 40 and 41; and have taken or are taking course 43. Two hours. Professor MOORE.
43. **Bacteriology.** Second term. Five hours. Open to students who have taken or are taking course 6 in microscopy or its equivalent. Two lectures and 7½ hours laboratory work each week. Professor MOORE and Assistant Professor FITCH.
The lectures may be taken as a two hour course.
44. **Parasites.** First term, two hours. Assistant Professor FITCH.
45. **Research in Bacteriology and Pathology.** Laboratory work. Prerequisite courses 40 and 43. Professors MOORE and BURNETT, and Assistant Professor FITCH.
46. **Laboratory Methods of Diagnosis.** Prerequisite courses 40 and 43. Assistant Professor PICKENS.
47. **Post Mortem Examinations.** Throughout the year. Professor BURNETT and Dr. GOLDBERG.
48. **Meat and Dairy Inspection.** One hour. Second term. Third year. Professor MOORE.
49. **Seminary.** Throughout the year. Professors MOORE, BURNETT, FITCH and PICKENS.

VETERINARY MEDICINE

50. **Veterinary Medicine, Principles and Practices.** Five lectures or recitations a week during the third year. Credit, five hours. Professor UDALL.
51. **Physical Diagnosis.** Two recitations or lectures a week, second term. Credit, two hours. Assistant Professor F. F. KOENIG.
52. **Horseshoeing.** One lecture or recitation a week, second year, second term. Credit one hour. Assistant Professor F. F. KOENIG.
55. **Ophthalmology.** One lecture or recitation a week, second year, second term. Assistant Professor F. F. KOENIG.
56. **Hygiene.** One lecture or recitation a week, second year, first term. Assistant Professor F. F. KOENIG.
57. **Horseshoeing Exercises.** Three actual hours a week, second year, second term. Credit, one hour. Assistant Professor HENRY ASMUS.
37. **Ambulatory Clinic.** Professor UDALL and Assistant Professor F. F. KOENIG.

Library. For the Roswell P. Flower Library, and for other library facilities, see page 174.

THE COLLEGE OF AGRICULTURE

For detailed information concerning the work of the College of Agriculture, candidates for admission to that college should consult the Announcement of the College of Agriculture which will be sent gratis on application to the Secretary of the University.

Instruction in agricultural subjects has been a part of the work of Cornell University since its foundation. The Department of Agriculture, which had charge of this instruction during the earlier years of the University, was in 1888 succeeded by the College of Agriculture, which was in that year organized and established as a separate college of the University. In 1904 the College of Agriculture became, by an Act of the Legislature, the New York State College of Agriculture, and the equipment of the College of Agriculture of Cornell University along with the annual appropriations made by the University for the support of agricultural instruction, was employed and continued to be employed to strengthen and support the work of the New York State College of Agriculture.

The College of Agriculture as it exists today is in large part supported by the State of New York, and is administered by Cornell University under the direction of a committee of its Board of Trustees known as the Agricultural College Council. In respect of all academic interests, the College of Agriculture is an integral part of Cornell University.

The Federal Experiment Station at Cornell University was organized in 1887, and is in charge of the Dean of the College of Agriculture. The annual federal appropriation is devoted wholly to experimental work and research in the Departments of Plant Breeding, Soil Technology, and Entomology.

FACULTY

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.

ALBERT RUSSELL MANN, B.S.A., A.M., Professor of Rural Social Organization, Acting Dean of the College of Agriculture and Acting Director of the Experiment Station.

ISAAC PHILLIPS ROBERTS, M.Agr., Professor of Agriculture, Emeritus.

JOHN HENRY COMSTOCK, B.S., Professor of Entomology and General Invertebrate Zoology, Emeritus.

HENRY HIRAM WING, M.S. in Agr., Professor of Animal Husbandry.

THOMAS LYTTLETON LYON, Ph.D., Professor of Soil Technology.

JOHN LEMUEL STONE, B.Agr., Professor of Farm Practice.

JAMES EDWARD RICE, B.S.A., Professor of Poultry Husbandry.

GEORGE WALTER CAVANAUGH, B.S., Professor of Chemistry in its Relations to Agriculture.

GEORGE NIEMAN LAUMAN, B.S.A., Professor of Rural Economy.

HERBERT HICE WHETZEL, A.M., Professor of Plant Pathology.

ELMER O. FIPPIN, B.S.A., Extension Professor of Soil Technology.

GEORGE FREDERICK WARREN, Ph.D., Professor of Farm Management.

WILLIAM ALONZO STOCKING, JR., M.S.A., Professor of Dairy Industry.

CHARLES HENRY TUCK, A.B., Professor of Extension Teaching.

WILFORD MURRY WILSON, M.D., Professor of Meteorology.

RALPH SHELDON HOSMER, B.S.A., M.F., Professor of Forestry.

JAMES GEORGE NEEDHAM, Ph.D., Professor of Entomology and Limnology.

ROLLINS ADAMS EMERSON, D.Sc., Professor of Plant Breeding.

HARRY HOUSER LOVE, Ph.D., Professor of Plant Breeding Investigations.

ARTHUR WITTER GILBERT, Ph.D., Professor of Plant Breeding..

DONALD REDDICK, Ph.D., Professor of Plant Pathology.

- EDWARD GERRARD MONTGOMERY, M.A., Professor of Farm Crops.
GEORGE ALAN WORKS, B.Ph., M.S. in Agr., Professor of Rural Education.
FLORA ROSE, B.S., M.A., Professor of Home Economics.
MARTHA VAN RENSSELAER, A.B., Professor of Home Economics.
WILLIAM ALBERT RILEY, Ph.D., Professor of Insect Morphology and Parasitology.
JAMES ADRIAN BIZZELL, Ph.D., Professor of Soil Technology.
GLENN WASHINGTON HERRICK, B.S.A., Professor of Economic Entomology and Entomologist of the Experiment Station.
HOWARD WAIT RILEY, M.E., Professor of Rural Engineering.
HAROLD ELLIS ROSS, M.S.A., Professor of Dairy Industry.
HUGH CHARLES TROY, B.S.A., Professor of Dairy Industry.
SAMUEL NEWTON SPRING, B.A., M.F., Professor of Forestry.
KARL MCKAY WIEGAND, Ph.D., Professor of Botany.
WILLIAM HENRY CHANDLER, M.S. in Agr., Ph.D., Professor of Pomology.
ARTHUR BERNHARD RECKNAGEL, B.A., M.F., Professor of Forestry.
MERRITT WESLEY HARPER, M.S., Professor of Animal Husbandry.
CYRUS RICHARD CROSBY, A.B., Extension Professor of Entomology.
ELMER SETH SAVAGE, M.S.A., Ph.D., Professor of Animal Husbandry.
KENNETH CARTER LIVERMORE, M.S. in Agr., Professor of Farm Management.
EDWARD ALBERT WHITE, B.Sc., Professor of Floriculture.
ALVIN CASEY BEAL, Ph.D., Professor of Floriculture.
HERBERT ANDREW HOPPER, B.S.A., M.S., Extension Professor of Animal Husbandry.
EDWARD SEWALL GUTHRIE, M.S. in Agr., Ph.D., Professor of Dairy Industry.
MAURICE CHASE BURRITT, M.S. in Agr., Extension Professor and State Director of Farm Bureaus.
WILLIAM CHARLES BAKER, B.S.A., Professor of Drawing.
MORTIER FRANKLIN BARRUS, Ph.D., Extension Professor of Plant Pathology.
LEWIS JOSEPHUS CROSS, B.A., Ph.D., Professor of Chemistry in its Relations to Agriculture.
OSKAR AUGUSTUS JOHANNSEN, A.M., Ph.D., Professor of General Biology.
CLYDE HADLEY MYERS, Ph.D., Professor of Plant Breeding.
BRISTOW ADAMS, B.A., Professor of Extension, Information Service.
DICK J. CROSBY, M.S., Professor of Extension Teaching.
ASA CARLTON KING, B.S.A., Professor of Farm Practice.
CORNELIUS BETTEN, Ph.D., Professor, Secretary and Registrar.
GEORGE ABRAM EVERETT, A.B., LL.B., Professor of Extension Teaching.
FREDERICK LLEWELLYN GRIFFIN, B.S., M.S., Professor of Rural Education.
LEWIS KNUDSON, B.S.A., Ph.D., Professor of Botany.
E. GORTON DAVIS, B.S., Professor of Landscape Art.
RALPH WRIGHT CURTIS, M.S.A., Professor of Landscape Art.
CLAUDE BURTON HUTCHISON, M.S. in Agr., Professor of Plant Breeding.
RALPH W. REES, B.S., Professor of Pomology.
JAMES CHESTER BRADLEY, Ph.D., Assistant Professor of Systematic Entomology.
JOHN BENTLEY, JR., B.S., M.F., Assistant Professor of Forestry.
GEORGE CHARLES EMBODY, Ph.D., Assistant Professor of Aquiculture.
HARRY OLIVER BUCKMAN, M.S.A., Ph.D., Assistant Professor of Soil Technology.
MRS. HELEN BINKERD YOUNG, B.Arch., Assistant Professor of Home Economics.
MRS. ANNA BOTSFORD COMSTOCK, B.S., Assistant Professor of Nature Study.

- RALPH HICKS WHEELER**, B.S., Assistant Professor of Extension Teaching.
- HARRY MORTON FITZPATRICK**, Ph.D., Assistant Professor of Plant Pathology.
- BYRON BURNETT ROBB**, B.S. in Agr., M.S. in Agr., Assistant Professor of Rural Engineering.
- WALTER WARNER FISK**, M.S. in Agr., Assistant Professor of Dairy Industry.
- VERN BONHAM STEWART**, Ph.D., Assistant Professor of Plant Pathology.
- ANNETTE J. WARNER**, Assistant Professor of Home Economics.
- ARTHUR LEE THOMPSON**, Ph.D., Assistant Professor of Farm Management.
- ROYAL GILKEY**, B.S.A., Assistant Professor of Extension Teaching, and Supervisor of Reading Course for the Farm.
- CHARLES TRUMAN GREGORY**, Ph.D., Assistant Professor of Plant Pathology.
- LEX RAY HESLER**, Ph.D., Assistant Professor of Plant Pathology.
- WILLIAM HOWARD RANKIN**, Ph.D., Assistant Professor of Plant Pathology.
- EARL WHITNEY BENJAMIN**, B.S. in Agr., M.S. in Agr., Ph.D., Assistant Professor of Poultry Husbandry.
- ARTHUR JOHNSON EAMES**, Ph.D., Assistant Professor of Botany.
- JAMES KENNETH WILSON**, B.S., Ph.D., Assistant Professor of Soil Technology.
- ELMER EUGENE BARKER**, Ph.D., Assistant Professor of Plant Breeding.
- EDWARD MOWBRAY TUTTLE**, B.S. in Agr., A.B., Assistant Professor of Rural Education.
- ROBERT MATHESON**, M.S. in Agr., Ph.D., Assistant Professor of Economic Entomology.
- BLANCHE EVANS HAZARD**, A.B., M.A., Assistant Professor of Home Economics.
- DAVID LUMSDEN**, Assistant Professor of Floriculture.
- JOHN HALL BARRON**, B.S.A., Assistant Extension Professor of Farm Crops.
- GAD PARKER SCOVILLE**, B.S. in Agr., Assistant Professor of Farm Management.
- ARTHUR AUGUSTUS ALLEN**, Ph.D., Assistant Professor of Ornithology.
- LEONARD AMBY MAYNARD**, A.B., Ph.D., Assistant Professor of Animal Husbandry.
- FOREST MILO BLODGETT**, Ph.D., Assistant Professor of Plant Pathology.
- MIRIAM BIRDSEYE**, B.A., Assistant Professor of Home Economics.
- JACOB R. SCHRAMM**, Ph.D., Assistant Professor of Botany.
- HOWARD EDWARD BABCOCK**, Ph.B., Assistant Professor and Assistant State Director of Farm Bureaus.
- EDWARD RILEY KING**, B.S., Assistant Professor of Entomology.
- FRANK ELMORE RICE**, A.B., Ph.D., Assistant Professor of Agricultural Chemistry.
- LESTER WHYLAND SHARP**, B.S., Ph.D., Assistant Professor of Botany.
- JOHN CLARENCE MCCURDY**, B.S., C.E., Assistant Professor of Rural Engineering.
- CLARENCE A. BOUTELLE**, Assistant Extension Professor of Animal Husbandry.
- CHARLES HOWARD ROYCE**, M.S.A., Assistant Extension Professor of Animal Husbandry.
- GEORGE HARRIS COLLINGWOOD**, B.S., Assistant Professor of Forestry.
- MONTGOMERY ROBINSON**, Litt.B., B.S., Assistant Professor of Extension Teaching.
- PAUL WORK**, A.B., M.S. in Agr., Superintendent of the Department and Instructor in Vegetable Gardening.
- LAYTON S. HAWKINS**, B.A., Specialist in Agricultural Education, Lecturer in Rural Education.
- GEORGE WALTER TAILBY, JR.**, B.S.A., Instructor, and Superintendent of Live-stock.
- JOHN THOMAS LLOYD**, A.B., Instructor in Limnology.
- BERTHA E. TITSWORTH**, B.S., Instructor in Home Economics.

CECIL CALVERT THOMAS, A.B., M.A., Instructor in Botany.
EARLE VOLCART HARDENBURG, M.S. in Agr., Instructor in Farm Crops.
RICHARD ALAN MORDOFF, B.S. in Agr., Assistant Registrar.
OTIS FREEMAN CURTIS, M.S., Instructor in Botany.
OLIVER WESLEY DYNES, M.S. in Agr., Instructor in Farm Crops.
ALBERT EDMUND WILKINSON, B.S., Extension Instructor in Vegetable Gardening.
THOMAS JOSEPH MCINERNEY, M.S. in Agr., Instructor in Dairy Industry.
EUGENE DAVIS MONTILLON, B.Arch., Instructor in Landscape Art.
JUAN ESTEVAN REYNA, E.E., Instructor in Drawing.
ANNA CLEGG STRYKE, A.B., Instructor in Entomology.
LESLIE EUGENE HAZEN, B.S. in Agr., Instructor in Farm Structures.
JAMES LEWIS STRAHAN, B.S. in Agr., M.S. in Agr., Instructor in Farm Structures.
EARL LONG OVERHOLSER, M.A., Instructor in Pomology.
CASS WARD WHITNEY, B.S., Instructor in Extension Teaching.
ROYAL JOSYLIN HASKELL, B.S., Instructor in Plant Pathology.
CHARLES PAUL ALEXANDER, B.S., Instructor in Natural History.
LAURENCE HOWLAND MACDANIELS, A.B., Instructor in Botany.
ALLAN CAMERON FRASER, B.S., Instructor in Plant Breeding.
LUA ALICE MINNS, B.S., Instructor in Floriculture.
GEORGE CORNELL SUPPLEE, M.S.A., Instructor in Dairy Industry.
ANNA ELIZABETH HUNN, B.S., Instructor in Home Economics, and Manager of the Cafeteria.
WILLIAM THOMAS CRAIG, Instructor in Plant Breeding.
ARTHUR JOHN HEINICKE, B.S.A., M.A., Instructor in Pomology.
OLNEY BROWN KENT, B.S., Instructor in Poultry Husbandry.
HAROLD DEANE PHILLIPS, A.B., B.S. in Agr., Instructor in Rural Economy.
HENRY WILLIAM SCHNECK, B.S., M.S.A., Instructor in Vegetable Gardening.
WESLEY WORTH WARSAW, B.S. in A.E., Extension Instructor in Soil Technology.
KARL JOHN SEUKLE, M.S.A., Instructor in Animal Husbandry.
DEVÖE MEADE, B.S., Instructor in Animal Husbandry.
EDWARD GARDNER MISNER, B.S., Instructor in Farm Management.
BERNARD WILLIAM SHAPER, B.S., Instructor in Extension Teaching.
ARTHUR MERLE BESEMER, B.S., Instructor in Dairy Industry.
ARCHIE BYRON DANN, B.S., Instructor in Poultry Husbandry.
EDWIN SLEIGHT HAM, B.S., Instructor in Animal Husbandry.
THOMAS ALEXANDER BAKER, B.S., Instructor in Animal Husbandry.
LOUIS MELVILLE MASSEY, Ph.D., Instructor in Plant Pathology.
LEON AUGUSTUS HAUSMAN, B.A., Instructor in Meteorology.
ELLIS LORE KIRKPATRICK, B.S.A., Instructor in Vegetable Gardening.
WINFRED ENOS AYRES, Extension Instructor in Dairy Industry.
ALBERT SCOTT KENERSON, B.S., Instructor in Vegetable Gardening.
HOWARD BOWMAN ELLENBERGER, B.S.A., Instructor in Dairy Industry.
CLARK LEONARD THAYER, B.Sc., Instructor in Floriculture.
RALPH SYLVANUS MOSELEY, Extension Instructor in Poultry Husbandry.
LEWIS MERWIN HURD, Extension Instructor in Poultry Husbandry.
WILLIAM IRVING MYERS, B.S.A., Instructor in Farm Management.
LEW ELLSWORTH HARVEY, B.S.A., Instructor in Farm Management.
CEDRIC HAY GUISE, B.S., M.F., Instructor in Forestry.

- EMIL VOLZ, B.Sc., Instructor in Floriculture.
GILBERT WARREN PECK, B.S., Extension Instructor in Pomology.
FRANCES VINTON, B.A., Instructor in Home Economics.
ALBERT REIFF BECHTEL, A.M., Instructor in Botany.
JAMES MARSHALL BRANNON, B.A., M.A., Instructor in Botany.
FRANK BURKETT WANN, A.B., Instructor in Botany.
WALLACE LARKIN CHANDLER, B.S., M.S., Instructor in Parasitology
MARY FRANCES HENRY, A.B., Instructor in Home Economics.
CLARA LOUISE GARRETT, B.S., Instructor in Drawing.
CLARENCE VERNON NOBLE, B.S., Instructor in Farm Management.
SARAH LUCILE BREWER, B.S., Instructor in Home Economics.
CHARLES PARSONS CLARK, B.S., Instructor in Farm Management.
A. WRIGHT GIBSON, Instructor in Farm Practice.
EDWIN FROST HOPKINS, B.S., Instructor in Plant Pathology.
WALTER GARNET KRUM, Instructor in Poultry Husbandry.
FREDERICK GARDNER BEHREND, B.S., Instructor in Rural Engineering.
RALPH WALDO EMERSON COWAN, B.S., Instructor in Dairy Industry.
LOUIS ARTHUR ZIMM, B.S., Instructor in Plant Pathology.
HARRY HAZEL KNIGHT, B.S., Instructor in Entomology.
FLEMING BATES SHERWOOD, B.S., M.S., Instructor in Soil Technology.
JULIA GLEASON, Instructor in Home Economics.
D. MARGARET HOLMES, B.S., Instructor in Home Economics.
ADA ELJIVA GEORGIA, Assistant in Natural History.
WALTER N. HESS, A.B., Assistant in Insect Morphology.
HENRY JOSEPH CONLIN, A.B., Assistant in Agricultural Chemistry.
CLARIBEL NYE, B.S., Assistant in Home Economics.
EMMONS WILLIAM LELAND, B.S.A., Superintendent of Field Experiments in Soil Technology.
DAVID STOUT JENNINGS, B.S., Assistant in Soil Technology.
MORTIMER DEMAREST LEONARD, B.S., Extension Assistant in Entomology.
ARTHUR BISHOP BEAUMONT, B.S., Assistant in Soil Technology.
WARD BENJAMIN WHITE, A.B., Assistant in Dairy Industry.
STUART WARD FROST, B.S., Assistant in Entomology.
EUGENE PEYTON DEATRICK, A.B., Assistant in Soil Technology.
ROGER C. SMITH, A.B., M.A., Assistant in Biology.
WALTON I. FISHER, Assistant in Plant Breeding.
CHARLES EDWARD HUNN, Assistant in Plant Propagation.
ELIZABETH DEAN, A.B., Assistant in Botany.
FRANKLIN POST METCALF, A.B., Assistant in Botany.
MARY E. HILL, B.S., Assistant in Biology.
WILLIAM COLCORD WOODS, A.B., Assistant in Entomology.
ANNA JANE HANCY, A.B., Instructor in Botany.
WINIFRED MOSES, B.S., Assistant in Home Economics.
BEULAH BLACKMORE, Assistant in Home Economics.
RICHARD NUGENT LOBDELL, M.S., Assistant in Biology.
JOHN IRVINE LAURITZEN, B.S., Assistant in Botany.
HELEN CANON, B.A., B.S., Assistant in Home Economics.
LAWRANCE ERICKSON, A.B., Assistant in Botany.

GEORGE RAYMOND GAGE, B.S., M.S., Assistant in Botany.
HARRY E. KNOWLTON, B.S., Assistant in Botany.
HARRY DEVOE BAUDER, B.S., Assistant in Dairy Industry.
HOWARD CAMPBELL JACKSON, B.S., Assistant in Dairy Industry.
GEORGE ROBINSON PHIPPS, B.S., Assistant in Extension Teaching.
BENJAMIN DUNBAR WILSON, M.S., Assistant in Soil Technology.
MAX FLAVEL ABELL, B.S., Assistant in Farm Crops.
ERNEST GUSTAF ANDERSON, B.Sc., Assistant in Plant Breeding.
ERNEST WALTER LINDSTROM, A.B., Assistant in Plant Breeding.
GUSTAVE FREDERICK HEUSER, B.S., Assistant in Poultry Husbandry.
WALLACE SHIPMAN YOUNG, B.S., Assistant in Poultry Husbandry.
CLARENCE H. KENNEDY, A.B., M.A., Assistant in Biology.
ROLAND H. HILL, Assistant in Agricultural Chemistry.
CHARLES LORING ALLEN, B.A., Assistant in Animal Husbandry.
THOMAS BRAGGER, B.S., Assistant in Plant Breeding.
STANLEY CORTLAND GARMAN, Assistant in Forestry.
EDWIN INGERSOLL KILBOURNE, Assistant in Forestry.
HAROLD EUGENE BOTSFORD, Assistant in Poultry Husbandry.
DOAK BAIN CARRICK, M.S., Assistant in Pomology.
JOHN PHINEUS BENSON, B.S., Assistant in Botany.
PHILIP A. MUNZ, A.B., A.M., Assistant in Botany.
WALTER C. MUENSCHER, A.B., M.A., Assistant in Botany.
CHESTER C. DEMAREE, A.B., Assistant in Botany.
EDWINA M. SMILEY, B.S., Assistant in Plant Pathology.
JOHN HALLOCK BROMLEY, B.S., Assistant in Soil Technology.
LAWRENCE GLEN BROWN, B.S., Assistant in Entomology.
E. H. DUSHAM, Assistant in Biology.
C. C. HAMILTON, Assistant in Natural History.
RAY ALLEN, Assistant in Ornithology.
RALPH HUBBARD, Assistant in Natural History.
GEORGE HIRST BRADLEY, B.S., Assistant in Biology.
WILLIAM PRINDLE ALEXANDER, Assistant in Natural History.
WILLIAM J. BAERG, Assistant in Biology.
EDITH FLEMING BRADFORD, B.S., Assistant in Home Economics.
V. R. HABER, Assistant in Entomology.
GEORGE C. STEWART, Assistant in Farm Crops.
HOMER JAY BROOKS, B.S., Assistant in Dairy Industry.
LEON EMORY COOK, A.B., B.S. in Agr., Assistant in Rural Education.
RALPH IRVING SCOVILLE, B.S., Assistant in Dairy Industry.
VICTOR FERDINAND TAPKE, B.S., Assistant in Plant Pathology.
HARRY EARL BREMER, B.S., Assistant in Dairy Industry.
ERNEST DORSEY, B.S., Assistant in Plant Breeding.
LELAND JACK, Assistant in Poultry Husbandry.
EZRA WARD HALLOCK, Assistant in Dairy Industry.
EDWIN EARL HONEY, B.S., Assistant in Plant Pathology.
IRVING HAIR DOETSCH, Assistant in Vegetable Gardening.
RALPH SIMPSON NANZ, B.S., Assistant in Botany.
SARA BUCHANAN HUFF, Assistant in Home Economics.

OLIN CLIFFORD KRUM, Assistant in Extension Teaching.
 FABIAN McKEON SMITH, Assistant in Landscape Art.
 JUSTIN RICHARDSON HARTZOG, B.S., Assistant in Landscape Art.
 KENNETH ARTHUR TAPSCOTT, B.S., Assistant in Landscape Art.
 RALPH ESTY GRISWOLD, B.S., Assistant in Landscape Art.
 KENNETH CLARK FOX, Assistant in Poultry Husbandry.
 WALTER SPRAGUE FROST, B.S., Assistant in Agricultural Chemistry.
 EDGAR ALLAN HODSON, B.S., M.S., Assistant in Farm Crops.
 DONALD KITELEY TRESSLER, A.B., Assistant in Agricultural Chemistry.
 PAUL ALBERT WINCHELL, Student Assistant in Poultry Husbandry.
 ARTHUR WESTYN PLOUGH, Student Assistant in Poultry Husbandry.

ADMISSION, TUITION, AND ACADEMIC YEAR

For admission to the College of Agriculture, see page 41.

For tuition in the College of Agriculture, see page 48.

In addition to the two terms into which, in the other colleges of the University with the exception of the Medical College in New York City, the academic year is divided, the College of Agriculture has provided, and first put into effect in 1914, a third term extending from June through September. The work of the third term is intended for upperclassmen and for graduate students, and no student is allowed to register in the third term if he has not completed the required work of the freshman and of the sophomore year in the College of Agriculture.

THE DEGREE OF BACHELOR OF SCIENCE

The undergraduate instruction for regular students in the College of Agriculture leads to the degree of Bachelor of Science, the requirements for which are residence for eight terms and the completion of one hundred and twenty hours of required and elective work. For the requirements in military science and tactics and in physical culture, see pages 186-187.

Required Subjects. Freshman year: English, course 1, 8 hours; introductory inorganic chemistry, course 1, 6 hours; agricultural chemistry, course 85 or 6, 4 or 5 hours; biology, course 1, 6 hours; physics, course 2, 5 hours; the farm, course 1, 2 hours. Sophomore year: geology, course 1, 3 hours (optional for students specializing in home economics); chemistry, course 85, 4 hours; physiology, course 3, 10, 20, or 21, 3 to 5 hours; botany, course 1, 6 hours, or zoology, course 1 5 hours. Junior year: political economy, course 51, 6 hours.

Elective Subjects. The remainder of the required one hundred and twenty hours must consist of subjects elected under the following restrictions:

1. Not more than twenty hours may be taken in courses given in other colleges of the University.

2. Before graduation, all students must have passed at least fifteen hours of elective subjects in some one of the following five groups, and at least three hours in each of three of the other groups. The major group of fifteen hours is selected by the student at the beginning of the sophomore year, and in electing subjects in that group, the student must receive the advice and consent of a professor or an assistant professor in charge of a subject within the group and preferably within the department in which the student is intending to specialize.

Group A—Farm Crops; Pomology; Soil Technology; Floriculture; Vegetable Gardening.

Group B—Animal Husbandry; Poultry Husbandry; Dairy Industry; Entomology.

Group C—Agricultural Chemistry; Botany; Plant Breeding; Plant Pathology; Meteorology.

Group D—Rural Economy; Rural Education; Farm Management; Extension; Rural Engineering; Drawing.

Group E—Forestry; Home Economics; Landscape Art.

A student who receives twelve or more hours of college credit at entrance, see page 47, may be regarded as having satisfied one of the required terms of residence.

A student who has satisfied the entrance requirements of this College, and has afterward completed in two or more Summer Sessions in Cornell University at least twelve hours of work in courses approved by the departments concerned, may be regarded as having thus satisfied one term of residence. Under no circumstances shall work done in Summer Sessions be accepted as the equivalent of more than two terms of residence. The maximum amount of credit toward the degree of Bachelor of Science which is allowed for the work in any one Summer Session is seven hours.

A student admitted to the College of Agriculture from another college in Cornell University, or from any other institution of collegiate rank, will be regarded as having completed the number of terms and hours to which his records entitle him, and will receive all the privileges of students who have completed the same number of terms and hours by residence in the College. In order, however, to obtain the degree of Bachelor of Science, he must have completed the prescribed subjects in the four year course and the requisite number of elective hours in agricultural subjects. He must also have been in residence in the College of Agriculture for at least the last two of the required eight terms and must have completed not less than fifteen hours a term, of which two-thirds, at least, must be subjects taught by the staff of the College of Agriculture.

A student must register for at least twelve hours each term and no new student may register for more than eighteen hours.

All men students except those whose record and registration at the beginning of the senior year show that they are specializing in botany, home economics, forestry, landscape art, or entomology, must fully satisfy, before the beginning of the senior year, the requirements in farm practice. All men students are required to report to the Department of Farm Practice within the first three weeks of the first term in College.

Curriculum of Seven Years in Agriculture and Veterinary Medicine

A regular student may be registered in both the College of Agriculture and the New York State Veterinary College with the following restrictions:

1. Completion of all the required work of his course.
2. Credit of ninety hours, none of which is in the Veterinary College.
3. Permission of both the faculties concerned.

Such a student may be recommended for his degree in the College of Agriculture when he has met the following requirements:

1. Completed thirty hours of which not less than twelve shall be taught in the New York State College of Agriculture.
2. Has met both the group and agricultural elective requirements of the College of Agriculture.

On completion of the remaining three years if he meets the requirements of the State Veterinary College, he will receive the degree of doctor of veterinary medicine.

EXTENSION WORK

The extension work of the College of Agriculture is administered by the Department of Extension Teaching in cooperation with a committee representing the several departments of the college. The chief phases of the extension work, in addition to Farmers' Week held in Ithaca, are special lectures and demonstrations in various parts of the State of New York; farm visits, cooperative experiments, and fair exhibits; the maintenance of traveling schools and of demonstration schools; the conduct of reading courses and the organization of study clubs.

WINTER COURSES

The Winter Courses are seven in number, all opening on November 8, 1916, and closing on February 16, 1917. They are: 1. Agriculture; 2. Dairy Industry; 3. Poultry Husbandry; 4. Fruit Growing; 5. Home Economics (not given in 1916-17); 6. Flower Growing; 7. Vegetable Gardening.

The minimum age requirement for admission to the Winter Courses is eighteen years. There are no academic requirements for admission, and no credit toward graduation may be earned in the Winter courses.

COURSES OF INSTRUCTION

ELECTIVE COURSES OPEN TO FRESHMEN

Dairy Industry 1, 2, 3, 6, 14; Drawing 1, 2; Floriculture 1, 9; Forestry 6; Landscape Art 2, 3, 13; Home Economics 2; Meteorology 1; Nature Study 61; Poultry Husbandry 1, 10; Rural Economy 1; Rural Engineering 3, 20, 30; Vegetable Gardening 1.

AGRICULTURAL CHEMISTRY

See page 97.

ANIMAL HUSBANDRY

1. Principles and Practice of Feeding Animals. First or second term, credit two hours. Lecture and practice period. Professor SAVAGE and Mr. BAKER.
2. Principles of Animal Breeding. First or second term, credit three hours. Lecture and practice. Professor WING, and Messrs. MEADE and ALLEN.
5. The Horse. Second term, credit four hours. Lectures and practice. Professor HARPER, and Messrs. MEADE and HAM.
6. Horse Training, Practical Course. First term, credit two hours. Prerequisite course 5. Lectures and practice. Professor HARPER and Mr. HAM.
- [7. Mechanics of the Horse. First term, credit three hours. Prerequisite course 5. Lectures, recitations, and practice. Professor HARPER.] Not given in 1916-17.
10. Dairy Cattle. First term, credit four hours. Lectures and practice. Professor WING, and Messrs. MEADE and ALLEN.
11. Beef Cattle, Sheep, and Swine. First term, credit three hours. Lectures and practice. Mr. SEULKE and assistants.
12. Meat and Meat Products. First or second term, credit three hours. Lectures and practice. Mr. SEULKE.
14. The Microscopic Study of Feeds for Animals. Second term, credit two hours. Practice. Assistant Professor MAYNARD.
15. Principles of Feeding, Advanced Course. Second term, credit two hours. Prerequisite course 1 and Veterinary Physiology 12. Lectures. Professor SAVAGE.
16. Principles of Breeding, Advanced Course. First and second terms, credit from one to three hours a term. Not given first term in 1916-17. Prerequisite courses 5 and 10. Lectures. Professors WING and HARPER.
17. Animal Husbandry, Advanced Course. Research, investigation, and practice, for advanced and individual work. Hours to be arranged. Professors WING, SAVAGE, and HARPER, and assistants.
- [20. General Elementary Course in Animal Husbandry. For students in the New York State Veterinary College only. Throughout the year, credit three hours each term. Two lectures and one practicum each week. Professors WING, HARPER, and SAVAGE.] Not given in 1916-17.

BOTANY

1. General Botany. First and second terms, credit six hours. Lectures and laboratory. Assistant Professor SCHRAMM, Messrs. BECHTEL, WANN, ERICKSON, GAGE, METCALF, and others. Laboratory fee, \$5.
2. Forest Botany. First term, credit three hours. Prerequisite course 1 or its equivalent. Lectures and laboratory. Mr. MACDANIELS, assisted by Mr. MUNZ. Laboratory fee, \$3.
4. Microscopic Wood Technology. First term, credit two hours. Prerequisite courses 1 and 2 or an equivalent. Laboratory. Assistant Professor EAMES. Laboratory fee, \$4.
5. Grasses. Second term, credit two hours. Prerequisite course 1 or its equivalent. Lectures and laboratory. Professor WIEGAND and Mr. METCALF. Laboratory fee, \$2.
6. Taxonomy of the Higher Plants. Second term, credit four hours. Prerequisite course 1 or its equivalent. Lectures and laboratory. Professor WIEGAND and Mr. METCALF. Laboratory fee, \$4.
- 6a. Taxonomy of the Higher Plants. Third term, credit four hours. Prerequisite course 1 or its equivalent. Lectures and laboratory. Professor WIEGAND and Mr. METCALF. Laboratory fee, \$4.
7. Weeds and Weed Seeds. Third term, credit two hours. Prerequisite course 1 or its equivalent. Lectures and laboratory. Professor WIEGAND and Mr. METCALF. Laboratory fee \$2.
8. Special Taxonomy of the Ornamental Herbaceous Plants. Second term, credit three hours. Prerequisite course 1 or its equivalent. Lectures and laboratory. Professor WIEGAND and Mr. ——. Laboratory fee, \$3.
9. Histology. First and third terms, credit four hours. Prerequisite course 1 or its equivalent. Lectures and laboratory. Assistant Professor EAMES and Mr. MACDANIELS. Laboratory fee, \$5.

10. **Cytology.** Second term, credit two hours. Prerequisite course 1 or its equivalent. Lectures and laboratory. Assistant Professor SHARP and Miss HANCY. Laboratory fee, \$4.
11. **Methods in Histology and Cytology.** First term, credit three hours. Prerequisite course 1 or its equivalent. Laboratory. Assistant Professors EAMES and SHARP. Laboratory fee, \$5.
12. **Comparative Morphology of Algae and Fungi.** Second term, credit four hours. Prerequisite course 1 or its equivalent. Lectures and laboratory. Assistant Professor SCHRAMM and Mr. THOMAS. Laboratory fee, \$5.
13. **Comparative Morphology of Bryophytes and Pteridophytes.** First term, credit four hours. Prerequisite course 1 or its equivalent. Lectures and laboratory. Assistant Professor SHARP and Miss HANCY. Laboratory fee, \$5.
14. **Comparative Morphology of Spermatophytes.** Second term, credit four hours. Prerequisite course 1 or its equivalent, and course 13. Lectures and laboratory. Assistant Professor SHARP and Miss HANCY. Laboratory fee, \$5.
20. **General Plant Physiology.** First or second term, credit four hours. Prerequisite all freshman work or its equivalent, and course 1. Lectures, recitations, and laboratory. Professor KNUDSON, and Messrs. CURTIS, BRANNON, KNOWLTON, BENSON, and others. Laboratory fee, \$4. Breakage fee, \$2.
21. **Plant Physiology, Advanced Course.** First and second terms, credit five hours a term. Prerequisite an adequate training in botany and chemistry. Lectures and laboratory. Professor KNUDSON, and Messrs. CURTIS, BRANNON, and KNOWLTON. Laboratory fee, \$4.50 a term. Breakage fee, \$2 a term.
- NOTE: This course is also given in the third term (omitted in 1917). It is then divided however, into two five-hour courses, the student being permitted to take either course or both courses.
- [26. **Physiology of Fermentation.** First term, credit three hours. Prerequisite required work through the sophomore year, bacteriology, and course 20 or 21. Lectures and laboratory]. Not given in 1916-17. Laboratory fee, \$5.

Courses intended primarily for graduates

- [15. **Special Morphology and Physiology of the Algae.** First term, credit three hours (or more by permission). Prerequisite course 12 or its equivalent. Lectures and laboratory. Assistant Professor SCHRAMM.] Not given in 1916-17. Laboratory fee, \$4.
18. **Research in General Botany, Taxonomy, Histology, Cytology, and Algae.** Throughout the year, credit not less than three hours a term, by appointment. Professor WIEGAND, Assistant Professors EAMES, SHARP, and SCHRAMM.
19. **Seminary in Taxonomy, Morphology, Cytology, and Histology.** Throughout the year, credit one hour a term. Credit restricted to graduate students in the Department. Hours to be arranged. Professor WIEGAND, assisted by Assistant Professors EAMES, SCHRAMM, and SHARP.
30. **Special Chapters in Metabolism.** Third term, credit one hour or more. Lectures and laboratory. Professor KNUDSON.
31. **Seminary in Plant Physiology.** Throughout the year, credit one hour a term. Limited to graduates taking work in the Department. Conferences. Professor KNUDSON.
33. **Research, General Physiology.** Throughout the year. Credit for major or minor, otherwise not less than four hours a term. Prerequisite adequate training in botany, chemistry, and physiology. By appointment. Professor KNUDSON.

DAIRY INDUSTRY

1. **Milk Composition and Tests.** First or second term, credit three hours. Lectures and practice. Professor TROY, and Messrs. MCINERNEY and JACKSON. Laboratory deposit, \$3, part returnable.
2. **Butter.** First or second term, credit three hours. Must be preceded or accompanied by course 1; should be preceded or accompanied by courses 4, 6, and 8; for regular students only. Lectures and practice. Professor GUTHRIE and Mr. ———. Laboratory deposit, \$2, part returnable.
3. **Cheese.** First term, credit three hours. Must be preceded by course 1 or 16; should be preceded or accompanied by course 8. Lectures, recitations, and practice. Assistant Professor PISK and Mr. ELLENBERGER. Laboratory deposit, \$2.50, part returnable.
4. **Bacteriology, Elementary Course.** First term, credit four hours. Lectures and practice. Professor STOCKING, and Messrs. SUPPLEE and BESEMER. Laboratory deposit, \$4, part returnable.
6. **Market Milk and Milk Inspection.** Second term, credit two hours. Must be preceded or accompanied by course 1 or 16; should be preceded or accompanied by courses 4 and 8. Lectures and practice. Professor ROSS and Mr. BAUDER. Laboratory deposit, \$3, part returnable.
7. **Testing, Advanced Course.** Second term, credit two hours. Must be preceded by course 1. Professor TROY, and Messrs. MCINERNEY and JACKSON. Laboratory deposit, \$3, part returnable.
8. **Dairy Bacteriology.** Second term, credit four hours. Must be preceded or accompanied by course 1 and preceded by course 4 or its equivalent. Lectures and practice. Professor STOCKING, and Messrs. SUPPLEE and BESEMER. Laboratory deposit, \$4, part returnable.
9. **Butter, Advanced Course.** Second term, credit three hours. Must be preceded by a good record in course 2. Lectures and practice. Professor GUTHRIE. Laboratory deposit, \$2, part returnable.

10. **Fancy Cheese.** Second term, credit two hours. Must be preceded by course 1 or 16 and course 3. Assistant Professor FISK and Mr. ELLENBERGER. Laboratory deposit, \$2, part returnable.

11. **Ice Cream.** Second term, credit two hours. Must be preceded by course 1 or 16, and course 14 or its equivalent. Lectures and practice. Assistant Professor FISK and Mr. ELLENBERGER. Laboratory deposits, \$2, part returnable.

12. **Seminary.** First or second term, credit one hour. Professors STOCKING, ROSS, TROY, and GUTHRIE, and Assistant Professor FISK.

13. **Research.** First or second term, credit one or more hours, by arrangement. Professors STOCKING, ROSS, TROY, and GUTHRIE, and Assistant Professor FISK. Laboratory deposit, \$2, for each credit hour, part returnable.

14. **General Agricultural Bacteriology.** First term, credit three hours. Lectures and practice. Professor STOCKING, and Messrs. SUPPLEE and BESEMER. Laboratory deposit, \$4, part returnable.

15. **Bacteriology for the Home.** Second term, credit three hours. Lectures and practice. Messrs. SUPPLEE and BESEMER. Laboratory deposit, \$4, part returnable.

16. **Milk Composition and Tests.** Second term, two hours, without credit toward graduation. Similar to course 1; for special students only. Lectures and practice. Professor TROY, and Messrs. MCINERNEY and JACKSON. Laboratory deposit, \$3, part returnable.

18. **Butter.** Second term, three hours, without credit toward graduation. Must be preceded or accompanied by courses 6 and 16; for special students only. Lectures and practice. Professor GUTHRIE and Mr. ———. Laboratory deposit, \$2, part returnable.

19. **Cheddar Cheese, Advanced Course.** Second term, credit two hours. Prerequisite a good record in course 3. Lectures and outside reading in connection with laboratory work. Assistant Professor FISK. Laboratory deposit, \$2, part returnable.

DRAWING

1. **Mechanical Drawing.** First or second term, credit three hours. Lectures and practice. Mr. REYNA.

2. **Free-hand Drawing.** First and second terms, credit two or more hours a term. Lectures and practice. Professor BAKER and Miss GARRETT. Second term. Miss GARRETT.

2a. **Free-hand Drawing and Outdoor Sketching.** Third term, credit from two to five hours. Prerequisite course 2 or its equivalent. Lectures and practice. Professor BAKER.

3. **Free-hand Drawing, Advanced Course.** First or second term, credit two or more hours. Prerequisite course 2 or its equivalent. Lectures and practice. Professor BAKER and Miss GARRETT. Second term. Miss GARRETT.

4. **Perspective.** Second term, credit two hours. Prerequisite course 2 or its equivalent, and descriptive geometry. For students in landscape art. Lectures and practice. Mr. REYNA.

ENTOMOLOGY, LIMNOLOGY, NATURE STUDY, AND ORNITHOLOGY

Biology

1. **General Biology.** First and second terms, credit three hours a term. Lectures and practice. Professors NEEDHAM and JOHANNSEN, and assistants. Laboratory fee, \$2.50 a term.

2. **The Ecology of Insects.** Third term, credit three hours. One lecture and two practical exercises. Professor NEEDHAM and Mr. LORDELL.

3. **General Entomology.** First, second, and third terms; work of the first term repeated third term, credit three hours a term. Prerequisite course 1 or Zoology 1. Lectures and laboratory. Professor HERRICK, and Messrs. WOODS, SMITH, and BAERG. Third term. Assistant Professor MATHESON and Mr. FROST. Laboratory fee, \$3.

4. **Elementary Morphology of Insects.** First, second, or third term, credit four hours. Professor W. A. RILEY, Assistant Professor BRADLEY, and Mr. HESS. Laboratory fee, \$3.

5. **Elementary Systematic Entomology.** First, second, or third term, credit one or two hours. Prerequisite course 4. Assistant Professor BRADLEY and Mr. ———. Second term. Professor W. A. RILEY and Mr. HESS. Third term. Assistant Professor BRADLEY and Mr. ———. Laboratory fee, \$2 or \$3.

8. **Elementary Economic Entomology.** First term, two hours, without credit toward graduation. A course designed for special students; not open to regular students. Assistant Professor MATHESON.

9. **General Beekeeping.** Second or third term, credit three hours. Prerequisite course 3. One lecture and two laboratory exercises. Assistant Professor KING. Laboratory fee, \$2.

10. **Entomotaxy.** Third term, credit two or three hours. Prerequisite course 4, should be accompanied by course 5. Laboratory and field work. Assistant Professor BRADLEY and Mr. ———.

11. **Advanced Systematic Entomology.** First term, credit three or more hours. Prerequisite course 5. Three laboratory periods of three hours each. Assistant Professor BRADLEY and Mr. ———.

12. **Taxonomy of Insects.** Throughout the year, credit four hours a term. Prerequisite courses 3, 4, 5, 11, 14, and 20, and preferably 10. Lectures and laboratory. Professors NEEDHAM, JOHANNSEN, and W. A. RILEY, Assistant Professors BRADLEY and MATHESON, Mr. LLOYD, and cooperating specialists.

- F. Neuropteroids. Third term. Professors NEEDHAM and BETTEN, and Messrs. LLOYD and NAKAHARA.
- G. Hymenoptera. First term. Assistant Professor BRADLEY.
- H. Orthoptera. Euplexoptera, and Thysanura. Second term. Professor JOHANNSEN.
- I. Coleoptera. Third term. Assistant Professors VAN DYKE, BRADLEY, and MATHESON, and Mr. —.
- [A. Physopoda, Mallophaga, Heteroptera. First term, 1917-18. Professor JOHANNSEN and Assistant Professor BRADLEY.] Not given in 1916-17.
- [B. Homoptera. Second term, 1917-18. Professor JOHANNSEN.] Not given in 1916-17.
- [C. Myriapoda and Arachnida. Third term, 1917-18.] Not given in 1916-17.
- [D. Lepidoptera. First term, 1918-19.] Not given in 1916-17.
- [E. Diptera. Second term, 1918-19. Professor JOHANNSEN.] Not given in 1916-17.
13. Classification of the Coccidæ. First term, credit two hours. Prerequisite courses 4, 5, and 11. Laboratory. Assistant Professor BRADLEY. Not given in 1917-18.
14. Entomological Literature and its Technics. First term, credit three hours. Prerequisite course 3 or 5 or Zoology 5. Lectures and recitations. Assistant Professor BRADLEY.
19. Research in Systematic Entomology. Throughout the year, credit three or more hours a term. Prerequisite courses 3, 10, 11, 14, 20, and one term of course 12. Laboratory. Assistant Professor BRADLEY, and Professors NEEDHAM and JOHANNSEN.
20. Morphology and Development of Insects. First and second terms, credit two hours a term. Prerequisite courses 3 (first term), 4 and 5. Lectures. Professor W. A. RILEY.
21. Histology of Insects. First or second term, credit three or more hours. Prerequisite courses 3 (first term), 4, 5, and 20. Laboratory. Professor W. A. RILEY. Laboratory fee, \$1.50 a credit hour.
27. German Entomological Reading. First term, without credit. Professor W. A. RILEY.
28. French Entomological Reading. First term, without credit. Miss STRYKE.
29. Research in Morphology of Insects. Throughout the year, credit three or more hours a term. Prerequisite courses 3, 4, and 5. Professors W. A. RILEY and NEEDHAM. Laboratory fee, \$1.50 a credit hour.
30. Animal Parasites and Parasitism. First term, credit two hours. Must be preceded or accompanied by Zoology 1. Lectures and laboratory. Professor W. A. RILEY and Mr. CHANDLER.
31. Relations of Insects to Disease. Second term, credit two hours. Prerequisite first term of course 3 or 30. Lectures and laboratory. Professor W. A. RILEY and Mr. CHANDLER. Laboratory fee, \$2.
32. Advanced Work in Parasitology. First and second terms, credit two or more hours a term. Prerequisite courses 30 and 31. Laboratory work and conferences. Professor W. A. RILEY and Mr. CHANDLER.
40. Advanced Economic Entomology and Insectary Methods. Third term, three hours. Open only to graduates. Seminary, field and laboratory work. Assistant Professor MATHESON. Laboratory fee, \$2.50.
41. Forest Insects. Second term, credit two hours. Prerequisite first term of course 3. Lectures. Professor HERRICK.
49. Research in Economic Entomology. Throughout the year, credit three or more hours a term. Prerequisite courses 3, 4, and 5. Laboratory and field work. Professor HERRICK and Assistant Professor MATHESON.
50. General Limnology. Second or third term, credit three hours. Open only to students who have taken or are taking courses 1 and 3, or the equivalent. Lectures and laboratory. Professor NEEDHAM and Mr. LLOYD. Laboratory fee, \$2.50.
51. Aquiculture. Second term, credit two hours. Lectures. Assistant Professor EMBODY.
52. Fish Culture. Second term, credit one or two hours. Must be preceded or accompanied by course 51. Assistant Professor EMBODY. Laboratory fee, \$2.50.
53. Plancton. Second and third terms, credit one hour a term. Prerequisite permission to register. Laboratory. Professor NEEDHAM and Mr. LLOYD. Laboratory fee, \$1.50.
58. Research in Aquiculture. Throughout the year, credit three or more hours a term. Prerequisite courses 50 and 51. Laboratory and field work. Assistant Professor EMBODY.
59. Research in Limnology. Throughout the year, credit three or more hours a term. Prerequisite course 50 or its equivalent. Laboratory and field work. Professors NEEDHAM, and W. A. Riley and Assistant Professor EMBODY.
61. Nature Study. First and second terms, credit three hours a term. Lectures and laboratory. Assistant Professor COMSTOCK.
62. Nature Study, Advanced Course. First and second terms, credit two hours a term. Prerequisite courses 1 and 61. Lectures, laboratory and field work. Assistant Professor COMSTOCK.
65. Conference on Nature Study. First term, credit one hour. Open only to teachers or prospective teachers of nature study. Assistant Professor COMSTOCK.
- Seminary. Throughout the year.
79. Journal Club. First and second terms. Professors NEEDHAM, W. A. RILEY, and HERRICK, and Assistant Professor BRADLEY. Required of graduate students.

Summer Field Trip. This trip is designed primarily for students in entomotaxy (course 10) but will be open by permission to all graduates and properly qualified undergraduates in the Department who can make satisfactory arrangements for the carrying forward of their regular work.

Ornithology

6. **Field Ornithology.** Second term, credit three hours. Field work and laboratory. Assistant Professor ALLEN and Mr. HUBBARD. Laboratory fee, \$2.

9. **Advanced Ornithology.** First term, credit three hours. Prerequisite course 5 and Vertebrate Zoology. Lectures, laboratory and field work. Assistant Professor ALLEN. Laboratory fee, \$2.

[11. **Economic Ornithology and Mammalogy.** First term, credit three hours. Should be preceded by course 6 or Zoology 5; presupposes an elementary knowledge of botany and entomology. Lectures, laboratory and field work. Assistant Professor ALLEN. Given in alternate years with course 9.] Not given in 1916-17.

EXTENSION TEACHING

1. **Extension Work.** First term, credit two hours. Open to juniors and seniors, and to others by arrangement. Public Speaking 1 should precede this course. Lectures and practice. Criticism by appointment. Professor EVERETT, Assistant Professors WHEELER and GILKEY, and Messrs. WHITNEY, SHAPER, and PHIPPS.

2. **Extension Work.** Second term, credit two hours, or three hours by arrangement. Prerequisite course 1, of which course 2 is a continuation. Lectures and practice. Criticism by appointment. Professor EVERETT, Assistant Professors WHEELER and GILKEY, and Messrs. WHITNEY, SHAPER, and PHIPPS.

3. **Extension Work, Advanced Course.** First term, credit one hour. Prerequisite courses 1 and 2, or the equivalent. Professors TUCK and EVERETT, Assistant Professor WHEELER, and Mr. WHITNEY.

THE FARM

1. **The Farm.** First or second term, credit two hours. Field work and recitations. Professor NEEDHAM, Assistant Professor EMBODY, Mr. ALEXANDER, and assistants. Fee, \$2.

FARM CROPS

1. **Cereals, Forage Crops, and Miscellaneous Crops.** First or second term, credit four hours. To be preceded or accompanied by Soils 1 or 2 and Botany 1. Lectures and laboratory. Mr. DYNES. Laboratory fee, \$2.

2. **Farm Crops, Advanced Course.** First or third term, credit three hours. Prerequisite course 1. Lectures. Professor MONTGOMERY.

4. **Special Cash Crops.** First or second term, credit three hours. To be preceded or accompanied by course 1 and Botany 1. Lectures and laboratory. Mr. HARDENBURG. Laboratory fee, \$2.

5. **Seminary.** First term, without credit toward graduation. Required of graduate students. Professor MONTGOMERY.

6. **Research.** Throughout the year, two or more hours a term. Limited to graduate students. Professor MONTGOMERY.

FARM MANAGEMENT

1. **Cost Accounting.** First term, credit two hours. Open to juniors and seniors who have passed the farm practice examination. Should precede course 2. Lectures and laboratory. Assistant Professor THOMPSON and Mr. HARVEY. Laboratory fee, \$1.

2. **Farm Management.** Second or third term, credit four hours. Open to juniors and seniors who have passed the farm practice examination. Lectures and laboratory. Second term, Professor LIVERMORE and Mr. MISNER; third term, Assistant Professor THOMPSON. Laboratory fee, \$2.

Advanced and Graduate Courses

3. **Farm Organization.** First term, credit two hours. Prerequisite permission to register and courses 1 and 2. Professor LIVERMORE and Mr. MISNER. Expenses for trips are estimated to be about \$15.

4. **Types of Farming in the United States.** Second term, credit two hours. Prerequisite permission to register and course 3. Professor WARREN.

5. **Seminar.** Second term, credit one hour a term. Open to graduate students and to others by special permission. Professor LIVERMORE.

6. **Agricultural Statistics.** First term, credit two hours. Must be preceded or accompanied by course 3. Professor WARREN.

7. **Research.** Throughout the year, credit one or more hours a term. Prerequisite permission to register. First and second terms, Professors WARREN and LIVERMORE; third term, Assistant Professor THOMPSON.

FARM PRACTICE

1. **Farm Practice.** First, second, or third term, without credit toward graduation. Professor KING and Mr. MOULTON. Required of men students not specializing in botany, forestry, landscape art, or entomology.

FLORICULTURE

1. **Principles and Methods of Greenhouse Practice.** First term, credit three hours. Lectures and practice. Professor WHITE, Mr. THAYER, and Miss MINNS. Laboratory fee, \$2.

2. **Greenhouse Construction.** Second term, credit three hours. Lectures and practice. Assistant Professor LUMSDEN and Mr. VOLZ. Laboratory fee, \$1.

3. **Commerical Floriculture.** Second or third term, credit four hours. Prerequisite courses 1 and 2, Botany 1 and 8, and Soils 1. Lectures, recitations, and practice. Professor WHITE and Assistant Professor LUMSDEN. Laboratory fee, \$2.

4. **Commercial Floriculture.** First term, credit four hours. Prerequisite course 3. Lectures, recitations, and practice. Professor WHITE. Laboratory fee, \$2.

5. **Greenhouses and Garden Practice.** Throughout the year, credit two or four hours a term. Prerequisite course 1 and permission to register. Practice. Mr. VOLZ and greenhouse assistants.

6. **Floral Arrangement.** Second term, credit one hour. Lectures, demonstrations, and practice. Professor WHITE and Miss MINNS. Laboratory fee, \$3.50.

7. **Conservatory Plants.** Second or third term, credit two hours. Prerequisite course 1. Lectures and demonstrations. Assistant Professor LUMSDEN. Laboratory fee, \$1.

8. **Garden Flowers.** Second and third terms, credit three hours a term. Prerequisite Botany 1; Botany 8 recommended. Lectures and practice. Assistant Professor LUMSDEN and Miss MINNS. Laboratory fee, \$2.

8a. **Grouping and Arrangement of Annuals and Herbaceous Perennials.** Second and third terms, credit two hours a term. Prerequisite course 8. Lectures and practice. Assistant Professor LUMSDEN. Laboratory fee, \$2 a term.

9. **Amateur Floriculture.** First, second, or third term, credit three hours a term. Lectures and practice. Miss MINNS. Laboratory fee, \$2 a term.

11. **The History and Literature of Floriculture.** Second term, credit two hours. Lectures. Designed primarily for seniors and graduate students. Professor BEAL.

12. **Investigation in Floriculture.** Throughout the year, credit one, two, or three hours a term. Prerequisite courses 1, 3, and 4, and permission to register. Professors WHITE and BEAL and Assistant Professor LUMSDEN.

13. **Seminary.** Throughout the year, one hour a term. Required of advanced students who elect course 12, and of all graduate students. Professor WHITE and members of the staff.

FORESTRY

1. **The Farm Woodlot.** First or second term, credit two hours. Lectures and practice. First term, Assistant Professor COLLINGWOOD; second term, Mr. GUISE. Laboratory fee, 50 cents.

2. **Elements of Forestry: Mensuration, and Management.** Second term, credit three hours. Lectures and practice. Assistant Professor BENTLEY. Laboratory fee, \$1.

3. **Elements of Forestry: Silviculture.** First term, credit three hours. Lectures and practice. Professor HOSMER. Laboratory fee, \$1.

4. **Elements of Forestry: Forest Utilization.** First term, credit two hours. Lectures. Professor RECKNAGEL.

5. **Conservation of Natural Resources.** First term, credit two hours. Lectures. Professor ADAMS.

6. **The Field of Forestry.** Second term, credit two hours. Lectures. Professor SPRING.

8. **Wood Technology.** First term, credit three hours. Lectures and practice. Professor RECKNAGEL. Laboratory fee, \$1.

9. **Forest Utilization.** Third term, credit four hours. Lectures and field work. Professor RECKNAGEL.

10. **Forest Engineering.** Second term, credit two hours. Prerequisite plane trigonometry and one course in surveying. Lectures. Assistant Professor BENTLEY.

11. **Forest Mensuration.** Third term, credit five hours. Lectures and practice. Assistant Professor BENTLEY. Laboratory fee, \$1.50.

13. **Timber Trees and Forest Regions.** Second term, credit three hours. Lectures and practice. Assistant Professor BENTLEY. Laboratory fee, \$1.

14. **Silviculture: Forest Ecology.** Third term, credit three hours. Prerequisite Botany 1 or its equivalent. Lectures and practice. Professor SPRING. Laboratory fee, 50 cents.

15. **Silviculture: Natural Reproduction and Care of the Forest.** Third term, credit three hours. Prerequisite courses 13 and 14. Lectures and practice. Professor SPRING.

16. **Silviculture: Forest Planting and the Forest Nursery.** Second term, credit three hours. Lectures and practice. Professor SPRING. Laboratory fee, \$1.50.

18. **Forest Protection.** Second term, credit one hour. Lectures. Professor HOSMER.

19. **Forest Policy, Forest Law, and History of Forestry.** Second term, credit three hours. Lectures. Professor HOSMER.

20. **Forest Management.** Third term, five hours. Open only to graduate students. Lectures and practice. Professor RECKNAGEL and Mr. GUISE.

21. **Forest Administration.** First term, credit two hours. Prerequisite course 20. Lectures and practice. Professor RECKNAGEL.

22. **Seminary.** First and third terms, two hours a term. Open only to graduate students. Professors HOSMER, SPRING, and RECKNAGEL, Assistant Professor BENTLEY, and Mr. GUISE.

23. **Advanced Work.** Throughout the year, credit two or more hours a term. Open to undergraduate and graduate students who have had the necessary training. Professors HOSMER, SPRING, and RECKNAGEL, Assistant Professor BENTLEY, and Mr. GUISE.

The field work will be in charge of Professor RECKNAGEL and Assistant Professor BENTLEY.

24. **Research.** Throughout the year, three or more hours a term. Open only to graduate students who have had the necessary training. Professors HOSMER, SPRING, and RECKNAGEL, Assistant Professor BENTLEY, and Mr. GUISE.

HOME ECONOMICS

1. **Foods and Nutrition, Survey Course.** Second term, credit three or five hours. Lectures, recitations, and practice. Professor ROSE, Miss MOSES, and assistants. Laboratory fee, \$10.

2. **House Practice.** First and second terms, credit two hours a term. Lectures and practice. Laboratory fee each term, \$3.

3. **Foods.** First and second terms, credit, first term four hours, second term five hours. Prerequisite Biology 1, and Chemistry 1 and 6; Chemistry 32, 92 and 93 must precede or accompany this course. Lectures and practice. Professor ROSE, and Misses ———, VINTON, HENRY, and MOSES. Laboratory fee, \$20, each term, part returnable.

4. **Household Sanitation.** First term, credit three hours. Must be preceded or accompanied by Dairy Industry 15 and Physics 1. Lectures and practice. Miss ——— and others. Laboratory fee, 50 cents.

5. **Institution Management.** First and second terms, credit two or more hours a term. Prerequisite courses 3, 5b, 5c, and 6, or the equivalent. Lectures and practice. Miss HUNN and others.

5a. **Institution Management.** Second term, credit two hours. Practice. Miss HUNN and others. Laboratory fee, \$2.

5b. **Institution Management. Large Quantity Cooking.** First term, credit four hours. Practice. Miss HUNN and others. Laboratory fee, \$1.

5c. **Institution Management. Institution Buying.** Second term, credit two hours. Practice. Miss HUNN and others. Laboratory fee, \$2.

6. **Dietetics.** Second term, credit five hours. Prerequisite course 3. Chemistry 32, and Biochemistry 14. Lectures, recitations, and practice. Professor ROSE, and Misses ——— and HENRY. Laboratory fee, \$12.

7. **Foods and Nutrition, Survey Course.** Second term, credit four hours. Lectures, recitations, and practice. Professor ROSE and Miss MOSES. Laboratory fee, \$5.

8. **Design.** First and second terms, credit three hours a term. Must be preceded by course 11. Lectures and practice. Assistant Professor WARNER. Laboratory fee, \$3 a term.

9. **Design, Advanced Course.** Second term, credit two hours. Prerequisite course 8. Practice. Assistant Professor WARNER. Laboratory fee, \$3.

10. **The House.** First and second terms, credit two hours a term. Prerequisite course 11; must be accompanied by course 8. Lectures and practice. Assistant Professor YOUNG. Laboratory fee, \$1 a term.

11. **Elements of Design.** First and second terms, credit one hour a term. Practice. Assistant Professors YOUNG and WARNER, and Miss BLACKMORE.

12. **Woman and the Family.** Second term, credit three hours. Lectures. Professor VAN RENSSELAER.

13. **Woman in Industry.** First term, credit three hours. Lectures. Assistant Professor HAZARD.

14. **Household Management.** First term, credit three hours; second term, credit two hours. Prerequisite courses 3 and 6, and Political Science 51. Lectures and practice. Professor VAN RENSSELAER and Miss ———. Laboratory fee, second term, \$8.

15. **Elementary Clothing and Handwork.** First or second term, credit two hours. Practice. Miss BLACKMORE. Laboratory fee, \$2.

16. **Draping, Drafting, and Elementary Dressmaking.** First term, credit two hours. Prerequisite courses 2 and 15; must be accompanied by course 8. Practice. Miss BLACKMORE. Laboratory fee, \$3.

17. **Dressmaking.** Second term, credit two hours. Prerequisite courses 2, 15, and 16. Practice. Miss BLACKMORE. Laboratory fee, \$2.

18. **Elementary Millinery.** First term, credit one or two hours. Miss BLACKMORE. Laboratory fee, \$2 or \$3.

20. **Special Problems.** First and second terms, credit and hours by arrangement. Members of the department staff and others. Laboratory fee, \$5 for each period.

21. **Experimental Cooking.** First and second terms, credit two hours each term. Second term not given in 1916-17. Prerequisite course 3. Misses BREWER and MOSES. Laboratory fee, \$10.50.

22. **Seminary in Nutrition.** Second term, credit one hour. Professor ROSE and others.
23. **Extension in Home Economics.** First and second terms, credit three hours each term. Lectures and practice. Professor VAN RENSSELAER and others. Laboratory fee, \$5 each term.
24. **Primitive Woman.** Second term, credit three hours. Lectures. Assistant Professor HAZARD.
25. **Seminary in the History of Housekeeping.** Second term, credit one hour. Lectures and conferences. Assistant Professor HAZARD.
26. **Accounting and Office Management.** Second term, credit two hours. Lectures and practice. Mrs. BRADFORD and others.

LANDSCAPE ART

1. **Appreciation of Landscape.** First term, credit one hour. Lectures. Professor DAVIS.
2. **Elements of Landscape Design.** Second term, credit one hour. Lectures. Professor DAVIS.
3. **History of Landscape Design.** First term, credit two hours. Lectures. Professor DAVIS. Fee, \$1.
4. **Theory and Aesthetics of Landscape Design.** First term, credit two hours. Prerequisite course 3. Lectures. Professor DAVIS.
- 4a. **Theory: Planning of Private Properties.** First term, credit one hour. Prerequisite course 3, and, for students specializing in landscape art, course 4. Lectures. Professor DAVIS.
- 4b. **Theory: Planning of Public Properties.** Second term, credit two hours. Prerequisite courses 3 and 4. Lectures. Professor DAVIS.
6. **Rural Improvement.** A course of six or more lectures beginning after the Christmas recess. No university credit. Professor CURTIS.
9. **Lettering and Indication.** Second term, credit two hours. Prerequisite courses 3 and 4. Architecture 9, 11, and 13. Mr. MONTILLON. Laboratory fee, \$1.50.
11. **Landscape Design, Elementary Course.** First and second terms; credit four hours a term. Prerequisite courses 3, 4, 4a, 9, and 13, Architecture 9, 11, and 13, and Drawing 2, 3, and 4. Mr. MONTILLON, assisted by department staff. Laboratory fee, \$4 a term.
13. **Plant Materials.** Third term, credit five hours. Prerequisite Botany 1. Lectures, laboratory and field trips. Professor CURTIS. Laboratory fee, \$1.50.
- 13a. **Elements of Planting Design.** First term, credit one hour. Prerequisite course 13 or 14.
14. **Practice.** Professor CURTIS. Laboratory fee, \$1.50.
14. **Elementary Plant Materials.** First term, credit three hours. Prerequisite Botany 1. Lectures, laboratory, and field trips. Professor CURTIS. Laboratory fee, \$1.50.
15. **Landscape Design, Advanced Course.** First and second terms, credit ten hours a term. Prerequisite course 11 and its prerequisites, and courses 13 and 13a. Two criticism periods a week and drafting hours. Mr. MONTILLON, assisted by Professor DAVIS. Laboratory fee, \$5 a term.
16. **Landscape Engineering and Details of Construction.** First and second terms, credit two hours a term. Interrelated with course 15. Prerequisite Civil Engineering 10 and 11a. Lectures and practice. Professor ——— and Mr. MONTILLON.
17. **Planting Design, Elementary Course.** First term, credit two hours. Prerequisite courses 13 and 13a. Lectures and practice. Professor CURTIS.
- 17a. **Planting Design, Advanced Course.** Credit two or ten hours. Interrelated with course 15. Prerequisite course 17 and its prerequisites. Practice. Professor CURTIS.
18. **Propagation.** First and second terms, credit one hour a term. Laboratory and discussions. Professor CURTIS and Mr. HUNN.
20. **Seminary.** Second term, credit one hour. Department staff.

METEOROLOGY

1. **Meteorology and Climatology.** First or second term, credit three hours. Lectures and laboratory. Professor WILSON and Mr. HAUSMAN. Laboratory fee, \$1.

PLANT BREEDING

1. **Genetics.** First term, credit three hours. Prerequisite Botany 1 and 20. Lectures and recitations. Assistant Professor BARKER, and Messrs. FRASER and ———.
2. **Plant Breeding, Laboratory Course.** First term, credit one hour. Must be preceded by course 1. Messrs. FRASER and BREGGER. Laboratory fee, \$3.
6. **Plant Breeding, General Course.** Third term, credit four hours. Prerequisite Botany 1 and 20. Lectures and laboratory. Assistant Professor BARKER and Mr. FRASER. Laboratory fee, \$3.
8. **Methods of Plant Breeding.** Second term, credit two hours. Prerequisite course 1 or 6. Must be preceded or accompanied by course 2 or its equivalent. Lectures. Professor MYERS and members of the department staff.
11. **Biometry.** First term, credit two hours. For graduate students only. Lectures and laboratory. Professor LOVE.
13. **Genetics, Advanced Course.** Second or third term, credit three hours. Prerequisite courses 1 and 2, or 6 and 8, and Botany 1, 10, and 20. Lectures and laboratory. Second term,

Professors EMERSON, LOVE, and MYERS, and Mr. LINDSTROM; third term, Professor HUTCHISON and Mr. FRASER. Laboratory fee, \$3.

14. Organic Evolution. First term, credit two hours. For seniors and graduate students. Prerequisite course 1 and 2, or 6. Lectures. Assistant Professor BARKER.

15. Theory of Experimental Practice. Prerequisite courses 1 and 2, or course 6. First term, credit one hour. Assistant Professor BARKER.

16. Research. Throughout the year. For graduate students only. Professors EMERSON, HUTCHISON, LOVE, and MYERS, and Assistant Professor BARKER.

17. Seminary. First and second terms, one hour a term. For graduate students only. Professors EMERSON, HUTCHISON, LOVE, and MYERS, and Assistant Professor BARKER.

PLANT PATHOLOGY

1. Plant Pathology. Prerequisite Botany 1 and 20 or equivalent general botany and plant physiology. Lectures, recitations, and practice. Professor WHETZEL, Assistant Professors GREGORY, HESLER, and RANKIN, Doctor MASSEY, Messrs. ———, and ———. Laboratory fee, \$4.50; breakage deposit, \$2.

2. Principles of Plant Disease Control. Prerequisite course 1. Recitations and practice. Professor WHETZEL, Assistant Professors GREGORY, HESLER, and RANKIN, and Messrs. ———, ———, and ———. Laboratory fee, \$1.50 per each hour credit; breakage deposit, \$2.

3. Plant Pathology, Advanced Course. First term, credit two hours. Prerequisite course 1. Lectures and laboratory. Professor WHETZEL, and Assistant Professors RANKIN, FITZPATRICK, HESLER, and BLODGETT. Laboratory fee, \$1.50; breakage deposit, \$2.

6. Elementary Mycology. Second or third term, credit three hours. Prerequisite Botany 1 or its equivalent, and permission to register. Lectures and laboratory. Assistant Professors FITZPATRICK and HESLER, and Messrs. DICKSON and ———. Laboratory fee, \$4.50; breakage deposit, \$2.

9. Timber Decay and Its Prevention. Second term, credit one hour. Prerequisite course 1. Lectures. Assistant Professor RANKIN.

11. Methods in Plant Pathology. Second term, credit three hours. Prerequisite course 1. Lectures and laboratory. Assistant Professor FITZPATRICK and Mr. DICKSON. Laboratory fee, \$6; breakage deposit, \$2.

12. Mycology. First and second terms, credit four hours per term. Prerequisite Botany 1. Lectures and laboratory. Assistant Professor FITZPATRICK and Mr. DICKSON. Laboratory fee, \$4.50 a term; breakage deposit, \$2 a term.

[14. Mycology. First term, credit four hours. Prerequisite Botany 1. Assistant Professor FITZPATRICK.] Not given in 1916-17. Laboratory fee, \$4.50; breakage deposit, \$2.

15. Phytopathological Histology. First or second term, credit three hours. Prerequisite course 1 and Botany 9. It is also recommended that prospective students take course 3 or Botany 10. Lectures and practice. Assistant Professor FITZPATRICK and Mr. DICKSON. Laboratory fee, \$6; breakage deposit, \$2.

[16. Bacterial Diseases of Plants. Second term, credit four hours. Prerequisite course 1 and elementary bacteriology. Assistant Professor FITZPATRICK.] Not given in 1916-17. Laboratory fee, \$6; breakage deposit, \$2.

20. Research. Throughout the year, not less than three hours a term. Professors WHETZEL, REDDICK, and BARRUS, and Assistant Professors FITZPATRICK, STEWART, GREGORY, HESLER, RANKIN, and BLODGETT. Laboratory fee, \$1.50 a credit hour.

24. German Phytopathological Reading. First and third terms, credit one hour. Professor WHETZEL.

25. Seminary. First and second terms. Members of department staff.

POMOLOGY

1. Pomology. First or second term, credit three hours. Prerequisites for regular students Biology 1 and the Farm Practice requirements, or Botany 1 and 20. Lectures and laboratory. Professor CHANDLER, and Messrs. OVERHOLSER, HEINICKE, CARRICK, and DEMOTT. Laboratory fee, \$3.50.

8. Fruit Varieties, Judging, and Packing. First term, credit one hour. Prerequisite course 1. Practice. Messrs. OVERHOLSER, HEINICKE, CARRICK, and DEMOTT. Laboratory fee, \$3.50.

10. Systematic Pomology. Second or third term, credit two hours. Prerequisite courses 1, 8, and Botany 1. Lectures, recitations, laboratory. Messrs. OVERHOLSER, HEINICKE, CARRICK, and DEMOTT. Laboratory fee, \$1.

11. Orchard Field Trip. Credit one hour. Prerequisite courses 1, 8, and 10. Messrs. OVERHOLSER, HEINICKE, and PECK.

12. Experimental Pomology. Second term, credit two hours. Prerequisite courses 1, 8, 10, and Botany 1. Must be preceded or accompanied by Botany 20, Plant Pathology 1, Entomology 3, and Soils 1. Lectures. Professor CHANDLER.

13. Pomology, Advanced Laboratory Course. Third term, credit one hour. Prerequisite course 1, 8, 10, and 12. Messrs. HEINICKE, CARRICK, and DEMOTT.

19. **Research.** Throughout the year, credit from one to three hours a term. Open to graduate or other students who have had courses 10, 12, Botany 1 and 20, Plant Pathology 1, Entomology 3, and Chemistry 1 and 38. Professors CHANDLER and REES.

20. **Seminary.** First term. Members of the department staff.

POULTRY HUSBANDRY

1. **Poultry Husbandry.** First or third term, credit three hours. Lectures and practice. Professor RICE and Messrs. _____ and _____.

1a. **Poultry Husbandry.** Second term, credit three hours. Prerequisite course 1. Lectures and practice. Professor RICE, and Messrs. DANN and _____.

2. **Poultry Feeds and Feeding.** First term, credit two hours. Prerequisite course 1. Must be preceded or accompanied by Animal Husbandry 1. Lectures, recitations, and practice. Messrs. DANN and _____.

2a. **Flock Management.** First, second, or third term, credit one hour. Must be preceded or accompanied by course 2 or by course 10, and preferably also by Animal Husbandry 1. Practice. Messrs. DANN and ANDREWS.

3. **Incubator Practice.** First, second, or third term, credit one hour. Must be preceded or accompanied by course 1a or by course 10. Practice. Professor RICE, and Messrs. BUCHAN and _____.

3a. **Brooder Practice.** First, second, or third term, credit one hour. Must be preceded or accompanied by course 1a or by course 10. Practice. Professor RICE, and Messrs. BUCHAN and _____.

4. **The Breeds and Judging.** First term, credit two hours. Prerequisite course 1. Lectures, recitations, and practice. Messrs. KENT and _____.

4a. **Judging, Advanced Course.** First term, credit two hours. Prerequisite course 4. Practice. Mr. KENT.

5. **Poultry-house Design and Construction.** First term, credit two hours. Prerequisite course 1. Lectures, recitations and practice. Messrs. KENT, BUCHAN, and _____.

6. **Poultry for the Household.** Second term, credit two hours. Lectures, recitations, and practice. Assistant Professor BENJAMIN and Mr. YOUNG.

7. **Market Products.** Second term, credit two hours. Prerequisite course 1. Lectures, recitations, and practice. Assistant Professor BENJAMIN, and Messrs. _____ and _____. Students taking or having taken course 6 may not register in this course. Expenses about \$20.

7a. **Marketing Practice.** First, second, or third term, credit one hour. Prerequisite course 7. Discussions and practice. Assistant Professor BENJAMIN, and Messrs. _____ and _____.

8. **Poultry Farm Management.** Second term, credit two hours. Prerequisite courses 1, 1a, 2, 4 and 5; must be preceded or accompanied by courses 2a, 3, 3a, and 7; must be preceded or accompanied by Farm Management 1 and 2. Lectures, recitations, and practice. Professor RICE and Mr. _____.

9. **Commercial Marketing.** Second term, credit two hours. Prerequisite course 7. Lectures and recitations. Assistant Professor BENJAMIN and Mr. YOUNG.

10. **Farm Poultry.** Second or third term, credit three hours. Lectures and practice. Professor RICE, Assistant Professor BENJAMIN, and Messrs. KENT and DANN.

11. **Undergraduate Conference.** First, second, or third term, or throughout the year, credit one hour per term. Prerequisite course 8. Members of the department staff.

11a. **Seminary.** First, second, or third term, or throughout the year. For graduate students only. Members of the department staff.

12. **Research.** First, second, or third term, or throughout the year, credit one to three hours a term. Must be preceded or accompanied by courses 8 and 11. Professor RICE, Assistant Professor BENJAMIN, and Messrs. KENT, DANN, and _____.

RURAL ECONOMY

1. **Agriculture.** First term, credit two hours. Open only to freshmen. Lectures. Professor LAUMAN.

4. **Economic and Social Status of the Rural Community.** First term, credit three hours. Prerequisite Political Science 51. Lectures. Professor LAUMAN, and Messrs. PHILLIPS and _____.

5. **Marketing and Prices.** First term, credit three hours. Prerequisite Political Science 51. Lectures. Professor LAUMAN, and Messrs. PHILLIPS and _____.

6. **History of Agriculture.** Second term, credit three hours. Open only to seniors. Lectures. Professor LAUMAN.

7. **Rural Economy.** Second term, credit three hours. Open only to seniors who have had course 4. Lectures. Professor LAUMAN.

8. **Cooperation.** Second term, credit three hours. Prerequisite Political Science 51. Lectures. Professor LAUMAN, and Messrs. PHILLIPS and _____.

12. **Research in Rural Economy.** Credit two or three hours a term. Professor LAUMAN.

14. **Seminary.** Prerequisite courses 4 and 7. Professor LAUMAN.

16. **Rural Organization.** Second term, credit one hour. Open only to seniors. Prerequisite course 4 and Farm Management 2. Lectures. Professor BURRITT.

RURAL EDUCATION

1. **Agriculture in the High School.** Second and third terms, credit three hours. Open to seniors and juniors who have completed the prerequisites in education and have met the farm practice requirements. Lectures and practice. Professor WORKS and assistant. Laboratory fee, \$1.

2. **Home Economics in the High School.** Second term, three hours. Open to juniors and seniors who have completed the prerequisites in education. Lectures and practice. Professor WORKS and Miss VINTON.

5. **Teaching.** First or second term, credit, not to exceed five hours. Professor WORKS.

7. **Investigation.** Second and third terms. Professor WORKS.

8. **Seminary.** Second and third terms. No credit. Required of all graduate students. Professor WORKS.

RURAL ENGINEERING

3. **Farm Mechanics.** First, second, or third term, credit three hours. Prerequisite Drawing 1 or its equivalent. Lectures, recitations, and practice. First and third terms, Messrs. HAZEN and ———; second term, Professor H. W. RILEY. Laboratory fee, \$3.

4. **Steam Machinery.** Second term, credit one hour. Prerequisite course 3. Lectures. Professor H. W. RILEY.

19. **Research in Farm Mechanics.** Second or third term, credit one or more hours. Prerequisite course 3 or its equivalent. Professor H. W. RILEY.

20. **Farm Engineering.** First, second, or third term, credit three hours. Prerequisite plane geometry; students are urged to take Drawing 1 in preparation for this course. Lectures. First and second terms, Assistant Professors ROBB and McCURDY; third term, Mr. STRAHAN. Laboratory fee, \$3.

21. **Drainage and Irrigation.** Second term, credit three hours. Prerequisite courses 3 and 20 or the equivalent, Soils 1, and Drawing 1 or its equivalent. Lectures, discussions, and practice. Professor BIZZELL, Assistant Professors ROBB and McCURDY. Laboratory fee, \$3.

28. **Farm Engineering, Advanced Course.** First, second, or third term, credit two or more hours. Prerequisite course 20 or its equivalent. Lectures and practice. Assistant Professor ROBB.

30. **Farm Structures.** Second or third term, credit two hours. Prerequisite Drawing 1 or its equivalent. Mr. STRAHAN.

SOIL TECHNOLOGY

1. **Principles of Soil Management.** First, second, or third term, credit three hours. Prerequisite Chemistry 1 and Geology 1. Lectures, recitations, and laboratory. First and third terms, Assistant Professor BUCKMAN; second term, Professor BIZZELL. Laboratory deposit, \$3.

2. **Soils, Elementary Course.** First term, two hours, without credit towards graduation. Must be preceded or accompanied by Chemistry 91. Designed for special students. Lectures and recitations. Assistant Professor BUCKMAN.

5. **Soil Surveying.** Third term, credit two hours. Prerequisite course 1 and Physical Geography 5. Practice. Assistant Professor BUCKMAN.

21. **Drainage and Irrigation.** Second term, credit three hours. Prerequisite course 1, Rural Engineering 3 and 20 or the equivalent, and Drawing 1 or its equivalent. Lectures, discussions, and practice. Assistant Professor ROBB, Professor BIZZELL, and Assistant Professor McCURDY. Laboratory fee, \$2.

6. **Soils, Advanced Course.** Second term, credit two hours. Prerequisite course 1, and Chemistry 85 and 85a. Lectures. Professor BIZZELL.

8. **Mechanical Soil Analysis.** First term, credit one hour. Prerequisite course 1 and Chemistry 6. Professor BIZZELL. Laboratory fee, \$3.

11. **Research.** Throughout the year. Professor BIZZELL. Laboratory deposit, \$15 a term.

14. **Seminary.** Throughout the year, no credit toward graduation. Open to seniors who have taken course 6, and required of graduate students. Professors LYON, PIPPIN, and BIZZELL, and Assistant Professors BUCKMAN and WILSON.

VEGETABLE GARDENING

1. **Vegetable Gardening, Introductory Course.** Second term, credit one hour. Lecture, Mr. WORK.

2. **Commercial Vegetable Gardening.** Second term, credit four hours. Prerequisite course 1 and Botany 1; must be preceded or accompanied by Soils 1. Lectures, recitations, and practice. Messrs. WORK and KIRKPATRICK. Laboratory fee, \$2.

3. **Commercial Vegetable Gardening.** Second and third terms, credit four hours a term. Prerequisite course 1, Botany 1, and Soils 1. Lectures, recitations, and practice. Messrs. WORK and KIRKPATRICK. Laboratory fee, \$3 a term.

4. **Vegetable Forcing.** Second term, credit three hours. Prerequisite course 2 or 3; should be preceded by Floriculture 2. Lectures and practice. Mr. SCHNECK. Laboratory fee, \$2.
5. **Systematic Vegetable Crops.** Third term, credit three hours. Prerequisite course 3, or in special cases course 2. Lectures and laboratory. Vegetable gardens. Messrs. WORK and KENERSON. Laboratory fee, \$2.
6. **Practice.** First, second, or third term, one or two hours, without credit toward graduation. Prerequisite permission to register. Messrs. WORK and SPIEGEL.
7. **Vegetable Gardening, Advanced Course.** Problem and seminary. Problem, first, second, or third term; seminary, second term; credit two or more hours. Prerequisite course 3. Mr. WORK and members of the staff. Laboratory fee, \$1 per credit hour.
8. **Inspection Trip.** Third term, credit one hour. Prerequisite course 2 or 3. Mr. WORK.
9. **Canning Vegetable Crops.** Third term, credit two hours. Prerequisite course 2 or 3. Lectures and laboratory. Mr. KIRKPATRICK. Laboratory fee, \$3.50.
20. **Home Vegetable Gardening.** Second term, credit two hours. Lectures and practice. Mr. SCHNECK. Laboratory fee, \$2.

COLLEGE OF ARCHITECTURE

For detailed information concerning the work of the College of Architecture, candidates for admission to that college should consult the Announcement of the College of Architecture which will be sent gratis on application to the Secretary of the University.

FACULTY

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President.
CLARENCE AUGUSTINE MARTIN, Dean of the College of Architecture, and Professor of Architecture.
OLAF MARTINIUS BRAUNER, Professor of Drawing and Painting.
GEORGES MAUXION, A.D.G., Professor of Architecture, in charge of Design.
Absent on leave.
ALBERT CHARLES PHELPS, B.S., M.Arch., Professor of Architecture and Secretary of the Faculty of Architecture.
GEORGE YOUNG, JR., B.Arch., Professor of Architecture, in the Theory of Construction.
EVERETT VICTOR MEEKS, A.B., A.D.G., Acting Professor of Architecture in charge of Design.
CHRISTIAN MIDJO, Assistant Professor of Freehand Drawing and Modeling.
LEROY P. BURNHAM, B.S. Arch., M.S. Arch., Assistant Professor of Design.
GEORGE RAY CHAMBERLAIN, M.E., Assistant Professor of Freehand Drawing.
SHEPHERD STEVENS, B.S., A.D.G., Assistant Professor of Design.
HIRAM SAMUEL GUTSELL, B.P., A.M., Assistant Professor of Freehand Drawing.
HUBERT E. BAXTER, B.Arch., Instructor in Architecture.
EDWARD M. URBAND, B.Arch., M.Arch., Instructor in Architecture.
GERTRUDE E. THAYER, Secretary to the Dean.
ELLEN IRENE STERLE, Librarian.

Students in the College of Architecture receive instruction also from a large corps of professors and instructors in the Colleges of Arts and Sciences, Civil Engineering, Mechanical Engineering, and Agriculture (Department of Landscape Design).

Each year men distinguished in architecture or in allied professions are invited to lecture before the College. These lecturers during the year 1915-16 were:

Albert L. Brockway, F. A. I. A., Architect.
Thomas Hastings, LL.D., F. A. I. A., Architect.
Benjamin S. Hubbell, B.Arch., M.Arch., F. A. I. A., Architect.
Victor Horta, Architect, Honorary Professor of Architecture at the University of Brussels, and Director of the Academy of Fine Arts in Brussels.
R. W. Lindsay, B. S., Technological Chemist.
A. Kingsley Porter, A.B., of Yale University.
Sumner Robinson, Decorator.
R. Clipston Sturgis, A.B., F. A. I. A., Architect, former President of the American Institute of Architects.

THE DEGREE OF BACHELOR OF ARCHITECTURE

For admission to the College of Architecture, see page 41; for tuition in the College of Architecture, see page 48.

The undergraduate instruction for students in the College of Architecture leads to the degree of Bachelor of Architecture, the requirement for which is the completion of one of the following curricula.

1. The curriculum of four years in architecture.
2. The curriculum of four years in construction.

3. The curriculum of five years in architecture.
For the requirements in military science and tactics and in physical culture, see pages 186-187.

Admission as Special Students not Candidates for the Degree B. Arch.

Applicants may, without formal examination, be admitted to the two year special curriculum in architecture, provided they give satisfactory evidence of ability to do the required work of the course and have neither been previously admitted to the University nor refused as candidates for admission. The applicant must be at least twenty-one years of age; he must have had a good high school training or its equivalent, including particularly a good working knowledge of plane geometry and of algebra through quadratic equations; and should be familiar with the details and proportions of the classic orders of architecture. He shall have had at least three years' experience in some good architect's office, or its equivalent, and shall submit with his application examples of his draftsmanship. Architectural drawings in particular are required, but it is to the applicant's advantage to submit any additional work that would tend to show his artistic ability or skill as a draftsman. The application should be accompanied by a certificate that the drawings submitted are the work of the applicant.

THE CURRICULUM OF FOUR YEARS IN ARCHITECTURE

Freshman Year	No. of Course	1st Term	2d Term
Analytical Geometry and Calculus.....	8	3	3
Descriptive Geometry.....	9	3	—
History of Architecture.....	10	3	3
Elements of Architecture.....	11	3	3
Freehand Drawing.....	12	3	3
Shades and Shadows.....	13	—	2
Water Color Painting.....	14	—	2
Masonry Construction.....	15	—	2
Building Stones and Clay Products.....	30	2	—
Summer Reading (See page 154).....			
Sophomore Year	No. of Course	1st Term	2d Term
History of Architecture.....	20	3	—
Design.....	21	8	8
Drawing from the Antique.....	22	1	2
Adv. Water Color Painting.....	23	2	—
Perspective.....	24	—	1
Historic Ornament.....	25	—	2
Modeling.....	26	—	2
Mechanics.....	27	—	2
Stereotomy.....	28	1	—
Oral Expression.....	29	3	—
Summer Reading (See page 154).....			
Junior Year	No. of Course	1st Term	2d Term
History of Painting and Sculpture.....	30	1	1
Design.....	31	4	—
Design.....	31a	—	10
Drawing from the Antique.....	32	2	—
Fire-Resisting Construction.....	33	1	—
Carpentry and Specifications.....	34a	2	—
Working Drawings.....	34b	4	—
Strength of Materials.....	35	2	—
Graphic Statics.....	35a	1	—
Structural Design.....	35b	—	5
Heating, Plumbing, and Lighting.....	36	—	2

Senior Year	No. of Course	1st Term	2d Term
Modern Architecture.....	40	—	2
Design	41	10	8
Design	41a	—	4
Life Class.....	42	3	—
City Planning.....	44	1	—
Elective		3	2

THE CURRICULUM OF FOUR YEARS IN CONSTRUCTION

Freshman Year	No. of Course	1st Term	2d Term
Analytical Geometry and Calculus.....	8	3	3
Descriptive Geometry.....	9	3	—
History of Architecture.....	10	3	3
Elements of Architecture.....	11	3	3
Freehand Drawing.....	12	3	3
Shades and Shadows.....	13	—	2
Physics	2	—	5
Geology	30	2	—
Summer Reading (See page 154).....			

Sophomore Year	No. of Course	1st Term	2d Term
Masonry Construction.....	15	—	2
Design	21	8	8
Perspective	24	—	1
Stereotomy	28	1	—
Mechanics (C.E.).....	20	5	5
Physics	7	3	—
Heating, Plumbing, and Lighting.....	36	—	2
Summer Reading (See page 154).....			

Junior Year	No. of Course	1st Term	2d Term
History of Architecture.....	20	3	—
Design	31	4	—
Carpentry and Specifications.....	34a	2	—
Working Drawings.....	34b	4	—
Bridges (C. E.).....	71	4	4
Materials Laboratory (C. E.).....	22	—	2
Materials of Construction (C. E.).....	25	—	3
Concrete Construction (C. E.).....	77	—	3
Modern Architecture.....	40	—	2
Oral Expression.....	29	—	3

Senior Year	No. of Course	1st Term	2d Term
Antique, Water Color, or Modeling.....		2	—
Design	31	—	10
Fire-Resisting Construction.....	33	1	—
City Planning.....	44	1	—
Steel Buildings (C. E.).....	76	—	3

Not less than 16 hours from the following or other courses approved by the

Faculty:

Wood Technology (Forestry).....	8	—	2
Political Economy.....	51	3	3
Political Economy.....	52	2	2
Testing Materials (C. E.)	27	3	or 3
Higher Structures (C. E.)	73	3	or 3
Masonry Foundations (C. E.)	74	3	or 3
Reinforced Concrete (C. E.).....	72	3	or 3
Cost Keeping and Management (C. E.).....	89	2	—

	Senior Year	No. of Course	1st Term	2d Term
Specifications and Contracts (C. E.)	90	2	or 2	
Engineering Design (C. E.)	91f	3	or 3	
Engineering Problems (C. E.)	29	-		2

TWO YEAR SPECIAL CURRICULUM IN ARCHITECTURE

This curriculum does not lead to a degree, but a certificate will be issued upon its satisfactory completion. Where students are prepared to do advanced work the course will be arranged, within the limits of the curriculum, to meet special cases.

	First Year	No. of Course	1st Term	2d Term
History of Architecture	10	3	3	
Design	21	8	8	
Freehand Drawing	12	3	3	
Descriptive Geometry	9	3	-	
Shades and Shadows	13	-	2	
Perspective	24	-	1	
Water Color Painting	14	-	2	

	Second Year	No. of Course	1st Term	2d Term
History of Architecture	20	3	-	
Design	41	10	8	
Design	41a	-	4	
Drawing from the Antique	22	1	-	
Advanced Water Color Painting	23	2	-	
Modeling in Clay	26	-	2	
Modern Architecture	40	-	2	

THE CURRICULUM OF FOUR YEARS IN ARCHITECTURE

The curriculum of five years is intended primarily for students who are, in respect of advanced mathematics, unable to meet the requirements for entrance to one of the curricula of four years in the College of Architecture. In the freshman year of the five year curriculum, the lacking mathematical subjects must be taken, and in addition, there is opportunity for a considerable amount of elective work in the College of Arts and Sciences, or in one or both of the Colleges of Engineering. The specific details of the five year curriculum are arranged to suit the needs of the individual student; it however includes all the work of the regular four year curriculum or of the curriculum of four years in construction.

The Degrees of A. B. and B. Arch.

In accordance with the rules of the College of Arts and Sciences, qualified seniors in that college may take their senior year in the College of Architecture, receiving the degree of A.B. at the end of the year. If by their privileges of election of subjects in the College of Arts and Sciences, these seniors have during their first three years completed the required freshman subjects in architecture, they may thus, by the end of their fourth year of residence, complete the architectural subjects required in the sophomore year. The fifth year and the sixth year of residence, with registration in the College of Architecture, will then be the junior year and the senior year of the curriculum of four years in the College of Architecture.

The Degrees of C.E. and B.Arch.

By special arrangement between the colleges concerned, a student may in six years secure the degree of Bachelor of Architecture and the degree of Civil Engineer.

COURSES OF INSTRUCTION

- 1a. **Elementary Freehand Drawing.** Throughout the year, credit two hours a term. Assistant Professor CHAMBERLAIN and Assistant Professor GUTSELL.
- 1b. **Elementary Freehand Drawing.** Throughout the year, credit three hours a term. Assistant Professor CHAMBERLAIN and Assistant Professor GUTSELL.
- 2a. **Advanced Freehand Drawing.** Throughout the year, credit two hours a term. Prerequisite course 1b or its equivalent. Assistant Professor CHAMBERLAIN and Assistant Professor GUTSELL.
- 2b. **Advanced Freehand Drawing.** Throughout the year, credit three hours a term. Prerequisite course 1b or its equivalent. Assistant Professor CHAMBERLAIN and Assistant Professor GUTSELL.
8. **Analytic Geometry and Calculus.** Throughout the year, credit three hours a term. Given in the College of Arts and Sciences. Professor SNYDER.
9. **Descriptive Geometry.** First term, credit three hours. Prerequisite Solid Geometry. Professor YOUNG and Mr. BAXTER. Lectures and drawing nine hours a week.
10. **History of Architecture.** Throughout the year, credit three hours a term. Professor PHELPS. Lectures with assigned readings, sketches, and examinations.
11. **Elements of Architecture.** Throughout the year, credit three hours each term. The second term must follow or be taken with Shades and Shadows. Mr. URBAND. Nine hours a week.
12. **Freehand Drawing.** Throughout the year, credit three hours a term. Assistant Professor CHAMBERLAIN. Nine hours a week.
13. **Shades and Shadows.** Second term, credit two hours. This course must follow or be accompanied by descriptive geometry. Professor MARTIN and Mr. URBAND. Lectures and drawing.
14. **Water Color Painting.** Second term, credit two hours. Prerequisite course 12. Assistant Professor MIDJO. Six hours a week.
15. **Masonry Construction.** Second term, credit two hours. Professor MARTIN. Lectures and reading, supplemented by drawing and by inspection of actual work.
20. **History of Architecture.** First term, credit three hours. Prerequisite course 10. Professor PHELPS. Lectures with assigned readings, sketches, and examinations.
21. **Design.** Throughout the year, credit eight hours a term. Prerequisite courses 11 and 13. Assistant Professor STEVENS. About twenty-four hours a week.
22. **Drawing from the Antique.** Throughout the year, credit one hour first term and two hours second term. Prerequisite course 12. Professor BRAUNER and Assistant Professor MIDJO. Three hours a week drawing for each hour credit (see course 23).
23. **Advanced Water Color Painting.** First term, credit two hours. Prerequisite course 14. Assistant Professor MIDJO and Assistant Professor GUTSELL. This course is given in conjunction with course 22 and will require nine hours a week for two-thirds of the term, while course 22 will require nine hours a week for one-third of the term.
24. **Perspective.** Second term, credit one hour. Prerequisite courses 9 and 11. Professor MARTIN and Mr. BAXTER. Lectures and drawing.
25. **Historic Ornament.** Second term, credit two hours. Prerequisite courses 10 and 20. Professor PHELPS. Lectures and examinations.
26. **Modeling.** Second term, credit two hours. Assistant Professor GUTSELL. Six hours a week.
27. **Mechanics.** Second term, credit two hours. Professor YOUNG. Recitations.
28. **Stereotomy.** First term, credit one hour. Prerequisite course 9. Mr. BAXTER.
29. **Oral Expression.** First term, credit three hours. Given in the College of Arts and Sciences by Professor WINANS.
30. **Building Stones and Clay Products.** First term, credit two hours. Given in the College of Arts and Sciences by Professor RIES and Messrs. BEAN and FULLER. Lectures and laboratory.
30. **History of Painting and Sculpture.** Throughout the year, credit one hour a term. Professor PHELPS.
- [30a. **History of Art in Italy.** Throughout the year, credit two hours a term. Assistant Professor GUTSELL.] Given in 1915-16 and in alternate years following.
- 30b. **Art North of the Alps.** Throughout the year, credit two hours a term. Assistant Professor GUTSELL. Will be given in 1916-17 and in alternate years following.
31. **Design.** First term, credit four hours. Prerequisite course 21. Assistant Professor BURNHAM. A continuation of course 21. Must be taken in conjunction with course 34b. About 24 hours a week during the first half of the term.
- 31a. **Design.** Second term. Credit ten hours. Prerequisite courses 21 and 31. Assistant Professor BURNHAM. This course continues the work of courses 21 and 31. About 30 hours a week.
32. **Drawing from the Antique.** First term, credit two hours. Prerequisite course 22. Professor BRAUNER and Assistant Professor MIDJO. Six hours a week.

33. **Fire Resisting Construction.** First term, credit one hour. Professor MARTIN. Lectures and reading.

34a. **Carpentry and Specifications.** First term, credit two hours. Professor MARTIN. Lectures and reading.

34b. **Working Drawings.** First term, credit four hours. Prerequisite courses 21 and 31. Assistant Professor BURNHAM. This course follows course 31 in the same term. About 24 hours a week during the second half of the term.

35. **Strength of Materials.** First term, credit two hours. Prerequisite course 27. Professor YOUNG and Mr. BAXTER. Recitations and lectures.

35a. **Graphic Statics.** First term, credit one hour. Prerequisite course 27 and must follow or be taken with course 35. Professor YOUNG and Mr. BAXTER.

35b. **Structural Design.** Second term, credit five hours. Prerequisite courses 27, 35 and 35a. Professor YOUNG and Mr. BAXTER. Lectures and reports.

36. **Heating, Plumbing, and Lighting.** Second term, credit two hours. Professor MARTIN. Lectures and practical problems.

40. **Modern Architecture.** Second term, credit two hours. Prerequisite courses 10 and 20. Professor PHELPS.

41. **Design.** Throughout the year, credit ten hours first term, and eight hours second term. Prerequisite courses 21 and 31. Acting Professor MEEKS. This course is a continuation of courses 21, 31, and 31a. Thirty to thirty-six hours a week.

41a. **Design.** Second term, credit four hours. Acting Professor MEEKS. Prerequisite course 41. A continuation of course 41.

42. **Life Class.** Throughout the year, credit three hours first term and two hours second term. Professor BRAUNER. Three hours a week for each hour of credit.

43. **Historical Seminary.** Throughout the year, credit one hour a term. Prerequisite courses 10 and 20. Professor PHELPS.

44. **City Planning.** First term, credit one hour. Lectures.

[50. **History of Architecture.** Throughout the year, credit one hour a term. Professor PHELPS. Illustrated lectures with assigned readings and examinations.] Will be given in 1917-18 and in alternate years following.

50a. **History of Renaissance Architecture.** First term, credit one hour. Prerequisite course 50 or course 10. Professor PHELPS. Illustrated lectures with assigned readings and examinations. Will be given in 1916-17 and in alternate years following.

Summer Reading. In addition to the regular studies of the freshman and sophomore years the students are required to read, during the summer recess, books of their own selection from grouped lists. The book lists are prepared and one or more introductory lectures given each year, just before the summer vacation, by one of the professors in the Department of English in the College of Arts and Sciences.

SCHOLARSHIPS AND PRIZES. The Sands Memorial Medal and the Brown Memorial Medal are awarded annually for especially meritorious work in design; the Fuertes Memorial Prizes in Public Speaking are awarded to students in the Colleges of Architecture, Mechanical Engineering, and Civil Engineering. For these, and for the scholarships and prizes that are open to all students of the University, see page 177.

Graduates of the College of Architecture are admitted without examination to the preliminary competitions for scholarships in the American Academy in Rome, and to the Paris Prize competition of the Society of Beaux-Arts Architects; and they are excused from the usual examinations, except those relating to practical experience, required for admission to the American Institute of Architects and for license in those states where a license is required for the practice of architecture.

COLLEGE OF CIVIL ENGINEERING

For detailed information concerning the work of the College of Civil Engineering, candidates for admission to that college should consult the Announcement of the College of Civil Engineering which will be sent gratis on application to the Secretary of the University.

FACULTY

JACOB GOULD SCHURMAN, D.Sc., LL.D., President.

EUGENE ELWIN HASKELL, C.E., Dean of the College of Civil Engineering and Professor of Experimental Hydraulics.

CHARLES LEE CRANDALL, C.E., M.C.E., Professor of Railroad Engineering, Emeritus.

IRVING PORTER CHURCH, C.E., M.C.E., Professor of Applied Mechanics and Hydraulics, Emeritus.

HENRY SYLVESTER JACOBY, C.E., Professor of Bridge Engineering, in charge of the College Library.

HENRY NEELY OGDEN, C.E., Professor of Sanitary Engineering.

FRED ASA BARNES, C.E., M.C.E., Professor of Railroad Engineering.

ORA MINER LELAND, B.S. (C.E.), Professor of Geodesy and Astronomy, in charge of the Department of Topographic and Geodetic Engineering.

SIDNEY GONZALES GEORGE, C.E., Professor of Applied Mechanics and Secretary of the College Faculty.

JOHN THOMAS PARSON, Assistant Professor of Drawing, in charge of the Photographic and Drawing collections.

ERNEST WILLIAM SCHODER, B.S., Ph.D., Assistant Professor of Experimental Hydraulics, in charge of the Hydraulic Laboratory.

MILES ALBION POND, Ph.B., Assistant Professor of Civil Engineering, in charge of Descriptive Geometry.

FRANCIS JOSEPH SEERY, S.B., Assistant Professor of Civil Engineering.

ERNEST WILLIAM RETTGER, A.B., Ph.D., Assistant Professor of Applied Mechanics.

CHARLES LEOPOLD WALKER, C.E., Assistant Professor of Sanitary Engineering.

KENNETH BERTRAND TURNER, C.E., M.C.E., Assistant Professor of Hydraulics.

ADELBERT PHILO MILLS, B.S. (C.E.), M.S. (C.E.), Assistant Professor of Testing Materials.

PAUL HALLADAY UNDERWOOD, C.E., Assistant Professor of Topographic and Geodetic Engineering.

EARLE NELSON BURROWS, C.E., M.C.E., Assistant Professor of Bridge Engineering.

WALTER CONWELL, C.E., Assistant Professor of Railroad, and Assistant Secretary of the Faculty.

LEONARD ALEXANDER LAWRENCE, B.S., Assistant Professor of Surveying.

LEONARD CHURCH URQUHART, C.E., Instructor in Bridge Engineering.

WILLIAM EDWARD BEITZ, C.E., Instructor in Civil Engineering.

CARL CRANDALL, C.E., Instructor in Civil Engineering.

CARL H. KNOETTGE, B.A., B.S. in C.E., Instructor in Bridge Engineering.

HERBERT VINTON HOTCHKISS, B.S. in C.E., Instructor in Civil Engineering.

JOHN E. PERRY, B.S. in C.E., Instructor in Railroad Engineering.

HOWARD T. CRITCHLOW, C.E., Instructor in Civil Engineering.

HERBERT E. HAYES, C.E., Instructor in Civil Engineering.

J. C. MCANLIS, B.S., C.E., Instructor in Civil Engineering.

CARL ARTHUR McCLAIN, B.S. in C.E., C.E., M.C.E., Instructor in Civil Engineering.
THEODORE L. SMITH, C.E., Instructor in Civil Engineering.
GEORGE P. STOCKER, B.S. in C.E., Instructor in Civil Engineering.

GERTRUDE MARSH SANFORD, College Librarian.
HELEN R. LYNCH, Secretary to the Dean.
LAURA HARRINGTON, College Stenographer.
CLINTON D. CASS, College Mechanician.

THE DEGREE OF CIVIL ENGINEER

For admission to the College of Civil Engineering, see page 41; for tuition in the College of Civil Engineering, see page 48.
The undergraduate instruction for students in the College of Civil Engineering leads to the degree of Civil Engineer, the requirement for which is the completion of one of the following curricula. For the requirements in military science and tactics and in physical culture, see pages 186-187.
1. The curriculum of four years in civil engineering.
2. The curriculum of five years in civil engineering.

The Curriculum of Four Years in Civil Engineering
Freshman Year

	No. Course	1st Term	2d Term
Analytics	5 (1)	5	-
Differential and Integral Calculus	5 (2)	-	6
Physics	2	5	-
Physics	7	-	3
Chemistry	1	-	6
Descriptive Geometry	1	2	3
Drawing	2	2	-
Elementary Surveying.....	10	3	-
Military Drill	1	3	3

During the first term there will be given to the freshmen (but without credit) a course of weekly lectures devoted to a general survey of the field of civil engineering. Attendance at these lectures is obligatory.

Sophomore Year

	No. Course	1st Term	2d Term
Practical Geology	31	3	3
Mechanics of Engineering.....	20	5	5
Materials Laboratory.....	22	2 or 0	0 or 2
Drawing	4	1 or 3	3 or 1
Advanced Surveying.....	11	2	4
Materials of Construction	25	3 or 0	0 or 3
Physics	14	0 or 2	2 or 0
Engineering Calculations.....	21	2	-
Military Drill	1	3	3
Summer Survey (five weeks in June and July)	13	-	6

The work of the junior and senior years consists of the studies of some one of the six groups shown in the tabulation here appended, viz.: (a) general; (b) geodetic; (c) hydraulic; (d) sanitary; (e) railroad; (f) bridge.
On registering at the opening of the junior year each student of that class shall elect a group which he is to take for the remaining two years of his course.
The general group is strongly recommended in the case of all students who have no urgent reasons for electing one of the other (special) groups.

		Junior Year											
Course No.		Gen.		Geod.		Hyd.		San.		R.R.		Bridge	
		(a)		(b)		(c)		(d)		(e)		(f)	
		I-II		I-II		I-II		I-II		I-II		I-II	
52	Elements of Economics	2	2	2	2	2	—	—	—	2	2	2	2
60	Railroads	4	4	4	4	4	4	4	2	4	4	4	4
71	Bridges	4	4	4	4	4	4	4	—	4	4	4	4
23	Hydraulics	5	—	5	—	5	—	5	—	5	—	5	—
52	Sewerage and Sewage Disposal	—	3	—	3	—	3	—	3	—	3	—	3
29	Engineering Problems	—	2	—	2	—	2	—	2	—	2	—	2
14	Survey Computations and Mapping	2	2	2	2	2	2	—	4	2	2	2	2
50	Sanitary Biology.....	—	—	—	—	—	—	—	5	—	—	—	—
6	Chemistry	—	—	—	—	—	—	5	—	—	—	—	—
77	Concrete Construction.....	—	—	—	—	—	3	—	—	—	—	—	—
64	Roads and Pavements	—	—	—	1	—	—	—	1	—	—	—	—
		—	—	—	—	—	—	—	—	—	—	—	—
		17	17	17	18	17	18	18	17	17	17	17	17

		Senior Year											
Course No.		Gen.		Geod.		Hyd.		San.		R.R.		Bridge	
		(a)		(b)		(c)		(d)		(e)		(f)	
		I-II		I-II		I-II		I-II		I-II		I-II	
16	Advanced Topographic Surveying	—	—	2	—	—	—	—	—	—	—	—	—
17	Geodesy and Geodetic Laboratory	—	—	3	—	—	—	—	—	—	—	—	—
18	Geodetic Astronomy.....	—	—	—	3	—	—	—	—	—	—	—	—
26	Advanced Mechanics	3 or 3	—	—	—	—	—	—	—	3	—	—	—
30	Water Supply	3 or 3	3	—	3	—	3	—	3 or 3	—	—	—	3
31	Hydraulic Construction.....	—	—	—	3	—	3	—	—	—	—	—	—
32	Water Power Engineering	—	—	—	—	3	—	—	—	—	—	—	—
41	Hydraulic Measurements	—	—	—	—	3	—	—	—	—	—	—	—
42	Experimental Hydraulic Motors and Pumps.....	—	—	—	—	—	3	—	—	—	—	—	—
53	Purification and Control of Water Supplies	—	—	—	—	—	—	—	3	—	—	—	—
53a	Sewage and Water Purification...	2	—	—	—	—	—	—	—	—	—	—	—
54	Sewerage Works	—	—	—	—	—	—	3	—	—	—	—	—
55	Sanitary Laboratory.....	—	—	—	—	—	—	—	3	—	—	—	—
61	Railroad Maintenance of Way ...	—	—	—	—	—	—	—	—	3	—	—	—
62	Railroad Operation and Management	—	—	—	—	—	—	—	—	—	3	—	—
64	Roads and Pavements	1 or 1	—	—	—	1	—	—	—	1	—	—	1
71	Structural Design	—	—	—	—	—	—	—	4	—	—	—	—
72	Reinforced Concrete Arch	—	—	—	—	—	—	—	—	—	—	—	3
73	Higher Structures	—	—	—	—	—	—	—	—	—	—	3	—
74	Masonry and Foundations.....	3 or 3	3	—	—	—	—	—	—	—	—	—	3
77	Concrete Construction.....	3 or 3	3	—	—	—	3	—	3 or 3	3	—	3	—
90	Specifications and Contracts.....	2 or 2	—	2	—	2	—	2	2	—	2	—	—
91	Engineering Design	3 or 3	—	3	—	3	3	—	—	3	—	—	3
92	Thesis	—	3	—	3	3	—	—	3	3	—	3	—
52	Elements of Economics	—	—	—	—	—	2	—	—	—	—	—	—
E12	Electrical Engineering	4	—	4	—	4	—	—	—	4	—	4	—
69	Chemistry: Water Analysis	—	—	—	—	—	—	3	—	—	—	—	—
P11	Steam Machinery	—	3	—	3	—	3	—	3	—	3	—	3
	Elective	3	—	—	—	—	3	—	—	—	3	3	—
Required hours in Senior year.....		18	15	18	17	16	18	17	18	18	16	18	16

In the general group a senior may, with the approval of his class adviser, substitute three hours for advanced mechanics, or for masonry and foundations, or for both. Oratory course 1 would be an acceptable substitute. Engineering design in the general group and in the geodetic group may be taken in any one

of the other groups by approval of the head of the department concerned. For the thesis, work in engineering design or in investigation may be substituted; but this substitution must be approved by the professor in charge of the group which the student has elected. For the general group the substitution must be approved by the class adviser and the department concerned.

The Curriculum of Five Years in Civil Engineering

First Year			
	No. course	First term	Second term
Solid Geometry, Trigonometry	1, 3	—	6
Advanced Algebra	2 (E)	3	—
Chemistry	1	6	—
Drawing	2, 4	2	4
Elective in any college of the University		6	8
		—	—
		17	18

Second Year			
	No. course	First term	Second term
Analytic Geometry	5 (1)	5	—
Calculus	5 (2)	—	6
Physics	2, 7	5	3
Descriptive Geometry	1	2	3
Elementary Surveying	10	3	—
Elective in any college of the University		2	6
		—	—
		17	18

In addition to the above, three hours a week Military Drill must be taken in the Freshman and Sophomore years.

[The student must also attend the general lectures on civil engineering already mentioned in connection with the freshman year of the four year course.]

The third, fourth and fifth years are the same as the second (excepting Drill), third and fourth years of the four year course, respectively, excepting that in the third year of the five year course Drawing 4 will be replaced by Elective 3 hours in the second term.

THE DEGREES OF BACHELOR OF ARTS AND CIVIL ENGINEER

Seniors in good standing in the College of Arts and Sciences, who have been in actual residence at least six terms, exclusive of summer sessions, and have a credit of at least 90 hours, may be registered both in the College of Arts and Sciences and in the College of Civil Engineering.

In accordance with this provision the following suggestion is given for a six year course leading to the degrees of A.B. and C.E.

The following subjects are to be included in the course of study of at least 90 hours in the College of Arts and Sciences during the first three years of residence.

	No. course	First term	Second term
Analytic Geometry	5 (1)	5	—
Calculus	5 (2)	—	6
Physics	2, 7	5	3
Physics	10	1	1
Chemistry	1	6	(or 6)
Chemistry	6	5	(or 5)
Practical Geology	31	3	3
Descriptive Geometry	1	2	3
Drawing	2	2	—
Elementary Surveying	10	3	—

The following subjects in Civil Engineering are to be taken during the fourth year, when registered in both colleges.

	No. course	First term	Second term
Elements of Economics	52	2	2
Drawing	4	3	1
Advanced Surveying	11	2	4
Mechanics of Engineering	20	5	5
Engineering Calculations.....	21	2	—
Materials Laboratory.....	22	—	2
Materials of Construction.....	25	—	3
Physics	14	2	—
Summer Survey (five weeks in June and July).....	13		6

The work for the fifth and sixth years is to include the subjects of the junior and senior years of the general group of the four year course leading to the degree of Civil Engineer, except that course 52 in Elements of Economics should be replaced by electives.

COURSES OF INSTRUCTION

DESCRIPTIVE GEOMETRY AND DRAWING

1. **Descriptive Geometry.** Freshmen. Credit two hours first term, and three hours second term. Assistant Professor POND and Mr. HOTCHKISS.
2. **Drawing and Lettering.** Credit two hours. Assistant Professor POND, and Messrs. HOTCHKISS and STOCKER.
4. **Drawing and Lettering.** For one-half of the class, a credit of one hour the first term and three hours the second; and for the other half, a credit of three hours first term and one hour second term. Prerequisite course 1. Assistant Professor PARSON.

TOPOGRAPHIC AND GEODETIC ENGINEERING

10. **Elementary Surveying.** First term, credit three hours. One recitation and two field or computing periods a week. Professor LELAND, Assistant Professors UNDERWOOD and LAWRENCE, and Messrs. HAYES, SMITH and STOCKER.
11. **Advanced Surveying.** Throughout the year: first term, credit two hours; second term, credit four hours. Prerequisite, course 10. Assistant Professors UNDERWOOD and LAWRENCE and Messrs. HAYES and SMITH.
- 11a. **Advanced Surveying.** Primarily for students in forestry and landscape art. Second term, credit four hours. Prerequisite, course 10. Assistant Professor LAWRENCE.
12. **Elementary Surveying.** Primarily for students in Sibley College. Second term, credit two hours. Assistant Professor LAWRENCE and Messrs. HAYES, MCANLIS and SMITH.
13. **Summer Survey.** Topographic, Hydrographic and Geodetic Survey. Camp. Five weeks in June and July; credit six hours. Prerequisite course 11. Professor LELAND, Assistant Professors UNDERWOOD and LAWRENCE, and Messrs. HAYES, MCANLIS, SMITH and others.
14. **Survey Computations and Mapping.** Throughout the year, credit two hours each term. Prerequisite course 13. Professor LELAND, and Assistant Professors UNDERWOOD and LAWRENCE.
15. **Least Squares; Adjustment of Observations.** Prerequisite calculus and physics. First term, credit two hours. Lectures and recitations. Assistant Professor UNDERWOOD.
16. **Advanced Topographic Surveying.** Prerequisite course 13. First term, credit two hours. Professor LELAND.
17. **Geodesy and Geodetic Laboratory.** Prerequisite course 11. First term, credit three hours. Professor LELAND.
18. **Geodetic Astronomy.** Prerequisite course 11. Second term, credit three hours. Lectures, recitations and observations. Professor LELAND and Assistant Professor UNDERWOOD.

APPLIED MECHANICS AND HYDRAULICS

20. **Mechanics of Engineering.** Throughout the year, credit five hours a term. Prerequisite mathematics, course 5. Professor GEORGE, Assistant Professor RETTGER, and Messrs. HOTCHKISS, MCCLAIN, MCANLIS and STOCKER.
21. **Engineering Calculations.** First term, credit two hours. Prerequisite, mathematics, course 5. Professor GEORGE, Assistant Professor RETTGER and Mr. MCCLAIN.
22. **Materials Laboratory.** Either term, (one-half of the class each term), credit two hours. Must be preceded by, or taken with, course 20 and must be taken with course 25. Assistant Professor MILLS, and Messrs. CRANDALL and CRITCHLOW.
23. **Hydraulics.** First term, credit five hours. Prerequisite, course 20. Lectures and recitations. Assistant Professors SCHODER and TURNER.
25. **Materials of Construction.** Either term (one-half of the class each term), credit three hours. Must be preceded by, or taken with, course 20, and must be taken with course 22. Assistant Professor MILLS, and Messrs. CRANDALL and CRITCHLOW.
26. **Advanced Mechanics.** Either term, credit three hours. Prerequisite course 20. Recitations. Professor GEORGE and Assistant Professor RETTGER.
27. **Testing Materials.** Second term, credit three hours. Prerequisite courses 22 and 25 or their equivalents. Assistant Professor MILLS, and Messrs. URQUHART and CRANDALL.
29. **Engineering Problems.** Second term. Credit two hours. Prerequisite courses 20 and 23. Professor GEORGE, and Assistant Professors RETTGER and TURNER, and Mr. KNOETTGE.

HYDRAULIC ENGINEERING

30. **Water Supply.** Either term, credit three hours. Prerequisite course 23. Assistant Professors SEERY and WALKER.
31. **Hydraulic Constructions.** Second term, credit three hours. Should be taken after, or concurrently with, course 30. Assistant Professor SEERY.
32. **Water Power Engineering.** First term, credit three hours. Prerequisite course 23. Should be taken after, or concurrently with, course 30. Assistant Professor SEERY.

EXPERIMENTAL HYDRAULICS

41. **Hydraulic Measurements.** First term, credit three hours. Prerequisite course 23. Assistant Professors SCHODER and TURNER.
42. **Experimental Hydraulic Motors and Pumps.** Second term, credit three hours. Assistant Professors SCHODER and TURNER.
43. **Experimental Hydraulic Investigation.** Second term, credit three hours. Prerequisite course 41. Assistant Professor SCHODER.
44. **Advanced Experimental Hydraulics.** Professor HASKELL, and Assistant Professor SCHODER.

MUNICIPAL AND SANITARY ENGINEERING

50. **Sanitary Biology.** Second term, credit five hours. Prerequisite Chemistry, course 6. Assistant Professor WALKER.
52. **Sewerage and Sewage Disposal.** Second term, credit three hours. Prerequisite course 23. Professor OGDEN, Assistant Professor WALKER and Mr. MCCLAIN.
53. **Purification and Control of Water Supplies.** Second term, credit three hours. Prerequisite course 23. Professor OGDEN.
- 53a. **Sewage and Water Purification.** First term, credit two hours. Prerequisite course 52. Professor OGDEN.
54. **Sewerage Works.** First term, credit three hours. Prerequisite course 52. Three hours a week for 15 weeks. Professor OGDEN.
55. **Sanitary Laboratory.** Second term, credit three hours. Prerequisite courses 50, 52, and Chemistry 6. Nine hours a week. Professor OGDEN.
56. **Municipal Engineering.** Lectures, reports, and readings. Three hours. Professor OGDEN.
57. **Purification of Water.** Three hours. Professor OGDEN.
58. **Conference on Present Methods of Sewage Disposal.** Three hours. Professor OGDEN.
59. **A Laboratory Course for Graduates.** Professor OGDEN and Assistant Professor WALKER.

RAILROAD AND HIGHWAY ENGINEERING

60. **Railroad Surveying, Construction and Economics.** Throughout the year, credit four hours a term. Prerequisite course 13. Professor BARNES, Assistant Professor CONWELL, and Messrs. PERRY and CRANDALL.
61. **Railroad Maintenance of Way.** First term, credit three hours. Prerequisite course 60. Lectures and recitations. Professor BARNES.
62. **Railroad Operation and Management.** Second term, credit three hours. Prerequisite course 60. Lectures and recitations. Professor BARNES.
63. **Railroad Construction and Maintenance.** For students in Sibley College. Second term, credit two hours. Preparation recommended: courses 10 or 12. Professor BARNES.
64. **Roads and Pavements.** Either term, credit one hour. Lectures and recitations. Assistant Professor CONWELL, and Mr. PERRY.
65. **Highway Engineering.** Second term. Credit three hours. Prerequisite course 60. Assistant Professor CONWELL.
66. **Highway Laboratory.** Either term, credit three hours. Assistant Professor CONWELL.

BRIDGE ENGINEERING

71. **Structural Design.** Throughout the year, credit four hours a term. Prerequisite course 20.
- Structural details, first term, eight weeks; Bridge Stresses, first term, two hours a week for eight weeks, thereafter four hours a week; Bridge Design, Professor JACOBY, Assistant Professor BURROWS, and Messrs. KNOETTGE, and BEITZ.
72. **Reinforced Concrete Arch.** Either term, credit three hours. Prerequisite course 20 and the first part of course 71. Lectures, computation, and drawing. Assistant Professor BURROWS.
73. **Higher Structures.** Either term, credit three hours. Prerequisite courses 20 and 71. Professor JACOBY.
74. **Masonry and Foundations.** Either term, credit three hours. Prerequisite course 20. Professor JACOBY.
76. **Steel Buildings.** First term, credit three hours. Prerequisite courses 20 and 71. Mr. URQUHART.
77. **Concrete Construction.** Either term, credit three hours. Reports and drawings three two-hour periods per week for eight weeks. Messrs. URQUHART, BEITZ and KNOETTGE.

SPECIFICATIONS, DESIGNS, ETC.

89. **Cost Keeping and Management.** First term, credit two hours. Professor BARNES.
90. **Specifications and Contracts.** Either term, credit two hours. Lectures and recitations. Professor BARNES and Mr. CRANDALL.
91. **Engineering Design.** Credit three hours. Engineering design for students in the general group (a) and in the geodetic group (b) may be taken in any one of the other groups by approval of the head of the department concerned.
- (c) **Hydraulic Engineering.** Second term. Prerequisite courses 23 and 29. Professor ——— and Assistant Professors SCHODER and TURNER.
- (d) **Sanitary Engineering.** First term. This course must be preceded by or taken at the same time as course 54. Professor OGDEN.
- (e) **Railroad and Highway Engineering.** Second term. Professor BARNES, Assistant Professor CONWELL, and Messrs. PERRY, CRANDALL, and MCANLIS.
- (f) **Bridge Engineering.** Second term. Prerequisite course 71 and for certain designs, courses 72 and 77. Professor JACOBY, Mr. URQUHART and Mr. KNOETTGE.
92. **Thesis.** Credit three hours.

MEDALS AND PRIZES

The Fuertes Medals, two in number, are awarded annually on the recommendation of the Faculty of the College of Civil Engineering. For these medals see page 181.

The Fuertes Memorial Prizes in Public Speaking are awarded only to students in the College of Civil Engineering, Mechanical Engineering, and Architecture. For these and for the scholarships and prizes that are open to all students of the University, see page 177.

The William C. Seidell Book Fund of \$1,000, founded by Gerrit S. Miller, the income of which is used for the purchase of books for poor young men who are working their way through the College of Civil Engineering. Preference is given to members of the freshman class.

The Charles Lee Crandall Prizes, founded in 1916 by Alumni of the College of Civil Engineering, consisting of a first prize of one hundred dollars and a second prize of about twenty-five dollars, will be awarded for the best papers submitted in a prescribed competition by seniors or juniors in that college. The awards for 1916 may be limited to the available income from the fund.

SIBLEY COLLEGE OF MECHANICAL ENGINEERING AND THE MECHANIC ARTS

For detailed information concerning the work of Sibley College, candidates for admission to that college should consult the Announcement of Sibley College which will be sent gratis on application to the Secretary of the University.

FACULTY

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President.
- ALBERT WILLIAM SMITH, B.M.E., M.M.E., Dean of the Faculty, and Professor of Power Engineering, in charge of the Department of Power Engineering.
- ROLLA CLINTON CARPENTER, M.S., C.E., M.M.E., LL.D., Professor of Experimental Engineering.
- DEXTER SIMPSON KIMBALL, A.B., M.E., Professor of Machine Design and Industrial Engineering, in charge of these Departments.
- GEORGE ROBERT McDERMOTT, Professor of Structural Design.
- HERMAN DIEDERICHS, M.E., Professor of Experimental Engineering, in charge of the Department.
- ALEX GRAY, B.S. in C.E., M.S. in E.E., Whitworth Scholar, Professor of Electrical Engineering, in charge of the Department.
- WILLIAM NICHOLS BARNARD, M.E., Professor of Power Engineering.
- VLADIMIR KARAPETOFF, C.E., Professor of Electrical Engineering.
- EDGAR HARPER WOOD, M.M.E., Professor of Mechanics of Engineering, in charge of the Department.
- CALVIN DODGE ALBERT, M.E., Professor of Machine Design.
- ALBERT EDWARD WELLS, Professor of Machine Construction, in charge of the Department.
- FRANK OAKES ELLENWOOD, A.B., Professor of Power Engineering.
- WILL MILLER SAWDON, B.S., M.M.E., Assistant Professor of Experimental Engineering, assigned to Engineering Research.
- WALTER STEBBINS FORD, M.E., Assistant Professor of Electrical Engineering.
- GEORGE BURR UPTON, M.M.E., Assistant Professor of Experimental Engineering.
- LESLIE DAVID HAYES, M.E., Assistant Professor of Machine Design.
- SEYMOUR STANTON GARRETT, C.E., Assistant Professor of Mechanics of Engineering.
- VICTOR RAYMOND GAGE, M.E., Assistant Professor of Experimental Engineering.
- ROBERTSON MATTHEWS, M.E., Assistant Professor of Power Engineering.
- CLARENCE WALTER HAM, M.E., Assistant Professor of Machine Design.
- MYRON A. LEE, M.M.E., Assistant Professor of Machine Design.
- JOHN GEORGE PERTSCH, JR., M.E., Assistant Professor of Electrical Engineering.
- CLARENCE ANDREW PEIRCE, A.B., M.E., Assistant Professor of Power Engineering.
- JOSEPH FRANKLIN PUTNAM, Assistant Professor of Electrical Engineering.
- CHARLES HAROLD BERRY, M.M.E., Assistant Professor of Power Engineering.
- FRANK GIRARD TAPPAN, A.M., M.E., Instructor in Electrical Engineering.
- W. RODNEY CORNELL, B.Sc., Instructor in Mechanics of Engineering.
- HENRY MARK PARMLEY, M.M.E., Instructor in Machine Design.
- FRED EDGAR KLINCK, M.E., Instructor in Experimental Engineering.
- WARREN HOWARD HOOK, M.E., Instructor in Experimental Engineering.

CLARENCE ELLSWORTH TOWNSEND, M.E., Instructor in Machine Design.
 WILLIAM CYRUS BALLARD, M.E., Instructor in Electrical Engineering.
 ALEXANDER CHILSON STEVENS, M.E., Instructor in Electrical Engineering.
 ROBERT FRANKLIN CHAMBERLAIN, M.E., Instructor in Electrical Engineering.
 WILLIAM JACOB DIEDERICH, M.E., Instructor in Experimental Engineering.
 RALPH BURNETTE DAY, M.E., Instructor in Mechanics of Engineering.
 HAROLD WARNER BROWN, B.S., M.M.E., Instructor in Electrical Engineering.
 ENOCH FRANCIS GARNER, M.E., Instructor in Machine Design.
 ROY EDWARD CLARK, M.E., Instructor in Power Engineering.
 LOUIS JACQUELIN BRADFORD, B.S., Instructor in Machine Design.
 PERCY GEORGE MCVETTY, M.E., Instructor in Research Engineering.
 WILLIAM DEANS, JR., M.E., Instructor in Electrical Engineering.
 ADAM CLARK DAVIS, M.E., Instructor in Experimental Engineering.
 CHARLES EDWIN THOMAS, M.E., Instructor in Experimental Engineering.
 FRED STILLMAN ROGERS, M.E., Instructor in Machine Design.
 E. RICHARD PAGE, B.S., Instructor in Electrical Engineering.
 NORMAN NEVIL TILLEY, M.E., Instructor in Experimental Engineering.
 HAROLD HOWARD CLARK, M.E., Instructor in Machine Design.
 GEORGE DAVID FLOYD, B.Sc. in Arts, B.Sc. in E.E., Instructor in Electrical Engineering.
 FREDERICK GEORGE SWITZER, M.M.E., Instructor in Hydraulics.
 JAMES HOMER HOTCHKISS, M.M.E., Instructor in Mechanics of Engineering.
 HAROLD CHARLES PERKINS, M.E., Instructor in Mechanics of Engineering.
 WILLIAM EMERSON MORDORF, M.E., Instructor in Machine Design.
 ELBERT ALDRICH TAYLOR, M.E., Instructor in Machine Design.
 ROBERT GEPHARD MEYLER, M.E., Instructor in Machine Design.
 HUGO N. DIEDERICH, Instructor in Machine Design.
 WILLIAM COOK ANDRAE, M.E., Instructor in Machine Design.
 FREDERICK WILLIAM ARMBRUSTER, B.S., Instructor in Machine Design.
 PAUL FENTON, M.E., Instructor in Machine Design.
 JOSEPH WILLIAM GAVETT, Jr. M.E., Instructor in Experimental Engineering.
 CARLOS CHILD KNOX, B.S. in M.E., Instructor in Experimental Engineering.
 GEORGE FRANCIS BASON, M.E., Instructor in Electrical Engineering.
 ALEJANDRO R. COTA, M.E., Instructor in Electrical Engineering.
 RALPH BERRY STEWART, B.S., Instructor in Electrical Engineering.
 MARTIN COLLINS HUGHES, B.S., Instructor in Electrical Engineering.
 GEORGE AUSTIN WORN, Instructor in Machine Design.

Assistants

JAMES EUGENE VANDERHOEF, Foreman of Foundry.
 WALTER LISTON HEAD, Foreman of Forge Shop.
 LEROY HOOPER, Foreman of Pattern Shop.
 BIRDETTE NEWTON HOWE, Assistant in Machine Shop.
 HOWARD STANLEY BUSH, Assistant in Pattern Shop.
 CHARLES ALBERT BROOKS, Assistant in Forge Shop.
 WILLIAM BENJAMIN BUCK, Assistant in Machine Shop.
 NICHOLAS BARNARD BLOCK, Assistant in Machine Shop.
 DEWARD ARMENIAS EVANS, Assistant in Foundry.

HARRY WILLIAM PRICE, Assistant in Pattern Shop.
WILLIAM FREDERICK HEAD, Assistant in Forge Shop.
CARLOS ELMER HARRINGTON, Assistant in Machine Design.
CHESTER CARROLL HOUGH, Assistant in Machine Design.
DAVIES KIRKLAND BANKS, Assistant in Power Engineering.
JOHN GEORGE GATES, Assistant in Power Engineering.

GEORGE WASHINGTON RACE, Mechanician in Sibley College.
EDWARD WARREN GREGORY, Mechanician.
CHARLES ALFRED CULLIGAN, Mechanician.
JAMES ALONZO BUSH, Mechanician.
CHARLES BEDELL, Engineer.

MARGARET ISABELLE COLQUHOUN, Clerk in Experimental Engineering.
EDITH NOURSE ROBINSON (Mrs.), Secretary to the Dean.
MAUDE NEWMAN, Clerk of Records.

FRANK LATTA FAIRBANKS, M.E., Librarian of Sibley College.

THE DEGREE OF MECHANICAL ENGINEER

For admission to Sibley College, see page 41; for tuition and fees in Sibley College, see page 48.

The undergraduate instruction for students in Sibley College leads to the degree of Mechanical Engineer, the requirement for which is the completion of one of the following curricula. For the requirements in military science and tactics and in physical culture see page 186.

- 1. The curriculum of four years in mechanical and electrical engineering.
- 2. The curriculum of four years in subjects related to mining engineering.
- 3. The curriculum of five years in mechanical and electrical engineering.
- 4. The curriculum of five years in subjects related to mining engineering.

1. The Curriculum of Four Years in Mechanical and Electrical Engineering

In the curriculum of four years leading to the degree of Mechanical Engineer, instruction is the same for all students during the first three years. In the fourth year, some opportunity is afforded for specializing in the different branches of mechanical and electrical engineering.

NOTE. In referring to courses the following abbreviations are used: Shop, S; Machine Design, D; Mechanics of Engineering, M; Power Engineering, P; Experimental Engineering, X; Electrical Engineering, E; Industrial Engineering, I.

Freshman Year

Course	No. Course	Hours 1st Term	Hours 2d Term
Analytic Geometry and Calculus	6	6	6
Chemistry	1	0	6
Physics	3	6	0
Drawing and Desc. Geom.	D 1, 2	3	3
Foundry	S3	2 or 0	0 or 2
Forge	S4	0 or 1	1 or 0
Engineering Principles	P 1	0 or 1	1 or 0
Military Drill	1	1	1

Sophomore Year

Course	No. Course	Hours 1st Term	Hours 2d Term
Mechanics of Engineering	M5, 6	5	5
Physics, Recitations	8, 9	2	2
Physics, Laboratory	14	2	2
Chemistry	6	0 or 5	5 or 0
Kinematics	D 6	0	2
Drawing	D5, 7	3	3
Materials	X6	0 or 2	2 or 0
Pattern Making	S7	3 or 0	0 or 3
Military Drill	I	1	1

Junior Year

Course	No. Course	Hours 1st Term	Hours 2d Term
Heat-Power Engineering	P10	3	3
Electrical Engineering	E14	2	2
Electrical Engineering	E15	2	2
Mechanical Laboratory	X10, 11	3	3
Machine Design—			
(a) Drawing	D10	2	2
(b) Lectures and Recitations	D16	3	3
Machine Work	S10	2	2
Industrial Organization	I 12	2	0
Hydraulics	M12	0	2

Senior Year

In the senior year the regular student must complete one of the options:

Option A: Senior Electrical Engineering Option:—

Course	No. Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P 20	3	3
Mechanical Laboratory	X 22	2	0
Economics	52	2	2
Electrical Machinery	E 20	2	2
Electrical Machinery	E 21	3	3
Electrical Design	E 22	2	2
Electrical Laboratory	E 28	4	4
Electives (or Thesis X32 page 173)		2	2

Option B: Senior Heat-Power Engineering Option:—

Course	No. Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P 20	3	3
Mechanical Laboratory	X20, 21	3	3
Electrical Engineering	E 36	2 or 0	0 or 2
Electrical Engineering	E 37	0 or 2	2 or 0
Economics	52	2	2
Heat-Power Machinery Design	P 23	3	3
Drawing and Design	P 24	2	2
Gas Manuf. or Stm. Turbines	P28 or 25	0	2
Elective (or Thesis, X32, page 173)		4	2

Option C: Senior Structural and Plant Engineering Option:—

Course	No. Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P20	3	3
Mechanical Laboratory	X20, 21	3	3
Electrical Engineering	E36	2 or 0	0 or 2
Electrical Engineering	E37	0 or 2	2 or 0

Course	No. Course	Hours 1st Term	Hours 2d Term
Economics	52	2	2
General Engineering Design	D22	2	2
Drawing and Design	D23	3	3
Elective (or Thesis, X32, p. 173)		4	4

Option D: Senior Ship Design and Construction Option:—

Course	No. Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P20	3	3
Mechanical Laboratory	X20, 21	3	3
Electrical Engineering	E36	2 or 0	0 or 2
Electrical Engineering	E37	0 or 2	2 or 0
Economics	52	2	2
Ship Design	D25	3	3
Speed and Power of Ships	D26	0	2
Drawing and Computations	D27	3	3
Specifications, Contracts, etc.	D28	2	0
Elective		0	2

Option E: Senior Industrial Engineering Option:—

Course	No. Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P20	3	3
Mechanical Laboratory	X20, 21	3	3
Electrical Engineering	E36	2 or 0	0 or 2
Electrical Engineering	E37	0 or 2	2 or 0
Industrial Administration	I20	2	2
Drawing and Design	I22	3	3
Safety Eng'g and Fire Protection	I23	0	2
Accounting	58a	3	0
Electives		0	3

2. The Curriculum of Four Years in Subjects Related to Mining Engineering

Freshman Year

Course	No. Course	Hours 1st Term	Hours 2d Term
Analytic Geometry and Calculus	6	6	6
Chemistry, Introductory Inorganic	Chem. 1	6	0
Chemistry, Qualitative Analysis	" 7	0	6
Physics	Phys. 2, 7	5	3
Forge	S4	0	2
Military Drill	1	1	1

Sophomore Year

Course	No. Course	Hours 1st Term	Hours 2d Term
Mechanics of Engineering	M5, 6	5	5
Chemistry, Quantitative Analysis	Chem. 12	0	6
Physics Laboratory	Phys. 14	4	0
Crystallography	Geol. 12	3	0
Mineralogy	Geol. 13	0	3
Dynamic and Historic Geology	" 1, 21	3	3
Drawing	D1, 2	3	3
Military Drill	1	1	1

Junior Year

Course	No. Course	Hours 1st Term	Hours 2d Term
Kinematics	D 6	0	2
Drawing	D5, 7	3	3
Hydraulics	M12	0	2
Heat-Power Engineering	P10	3	3
Metallurgy of Iron and Steel	X6	2	0
General Econ. Geology	Geol. 32	3	3
Mining of Mineral Deposits	" 34	3	3
Surveying	C.E.10, 11	3	4
Summer Field Work in Mining	Geol. 39	3	0

Senior Year

Course	No. Course	Hours 1st Term	Hours 2d Term
Assaying	Chem.18	3	0
Blowpipe Determination of Minerals	Geol. 14	1	0
Machine Design—			
(a) Drawing	D 10	2	3
(b) Lectures and Recitations	D16	3	2
Mining Methods and Design	D39	2	2
Mechanical Laboratory	X10, 11	3	3
Examination of Mineral Deposits	Geol. 33	0	2
Electrical Engineering	E14	2	2
Electrical Engineering	E15	2	2
Machine Work	S10	0	2

3. The Curriculum of Five Years in Mechanical and Electrical Engineering

First Year

Course	No. Course	Hours 1st Term	Hours 2d Term
English	1	4	4
Advanced Algebra*	2	5	0
Solid Geometry*	1	0	3
Trigonometry*	3	0	3
Chemistry	1	0	6
Engineering Principles	P 1	1	0
Forge Shop	S4	0	1
Foundry	S3	2	0
Elective in Arts and Sciences		5	0
Military Drill	1	1	1

Second Year

Course	No. Course	Hours 1st Term	Hours 2d Term
Analytical Geometry and Calculus	6	6	6
Chemistry	6	5	0
Physics	3	0	6
Drawing	D1, 2	3	3
Elective in Arts and Sciences		3	2
Military Drill	1	1	1

*If credited in this subject at the time of admission, an equivalent number of hours may be elected in some other subject.

Third Year

Course	No. Course	Hours 1st Term	Hours 2d Term
Mechanics of Engineering	M5, 6	5	5
Physics, Recitations	8, 9	2	2
Physics, Laboratory	14	2	2
Kinematics	D6	0	2
Drawing	D5, 7	3	3
Materials	X6	2	0
Pattern Making	S7	0	3
Elective in Arts		3	0

Fourth and Fifth Years

The fourth and fifth years are identical with the third and fourth years of the regular four year course.

4. The Curriculum of Five Years in Subjects Related to Mining Engineering

This curriculum leads to the degree of Mechanical Engineer, and it is possible for those pursuing it not only to complete the subjects listed in the four year course relating to Mining Engineering but also to take substantially all of the additional subjects given in the curriculum of four years in Mechanical Engineering.

The Degrees of A.B. and M.E.

In accordance with the rules of the College of Arts and Sciences, qualified seniors in that college may take their senior year in Sibley College, receiving the degree of A.B. at the end of the year. If by their privileges of election of subjects in the College of Arts and Sciences, these seniors have during their first three years completed the required freshman subjects in engineering, they may thus, by the end of their fourth year of residence, complete the engineering subjects required in the sophomore year. The fifth year and the sixth year of residence, with registration in Sibley College, will then be the junior year and the senior year respectively of the curriculum of four years in Sibley College.

Electives

Students having the necessary preparation and having the approval of their class adviser may take any of the subjects in the following lists. The choice of studies is not limited to those here listed; the student may, with the approval of his class adviser and of the department concerned, take any subject in any department in the University.

A. ELECTIVE SUBJECTS OPEN TO FRESHMEN

German, French, Spanish, Greek, Latin, English, Roman History, English History, History of Civilization, Bibliography, Music, Biology, Botany, Entomology, Zoology, Physiology, Photography, Agriculture, Law, Geology, Mining, Public Speaking, Surveying, Freehand Drawing, and the freshman engineering subjects.

B. GENERAL ELECTIVES

Differential Equations, 41; Surveying, C.E. 12; Spec. and Contracts, C.E. 90; Assaying, Chem. 18; Adv. Quant. Anal., Chem. 14; Adv. Quant. Anal. Lectures, Chem. 15; Qual. and Quant. Gas Anal., Chem. 19; Tech. Gas Anal., Chem. 20; Chemistry of Gases, Chem. 49; Photometry and Illumination, Phys. 26; Photometry and Illumination, Phys. 43; Photography, Phys. 18; Elementary and Historic Geology, Geol. 1, 21; Bldg. Stone and Clay Products, Geol. 30; Engineering Geology, Geol. 31; Mineralogy, Geol. 11; Mining of Mineral Deposits, Geol. 34; Elementary Economics, 52 or 51; Economics: Accounting, Business Law, Corporations and Trusts, Money and Banking, Labor Problems, Railway Transportation, Public Utilities, Government Control of Industries, etc.; Aesthetics, Archaeology, Astronomy, Ethics, Philosophy, Logic, Psychology, Military Science, and advanced courses in subjects given in List A, above.

C. TECHNICAL ELECTIVES FOR SENIORS ONLY

Thesis, X32; Steam Boiler Design, P30; Steam Turbines, P25; Gas Manuf. and Distribution, P28; Gas Power Machinery, P29; Advanced Heat-Power Engineering, P40; Engineering Research, X30; Power Plant Testing, X31; Motor Car Construction, P32; Heating and Ventilating, P33; Engineering Notes, D24; Speed and Power of Ships, D26; Advanced Designing, D40; Industrial Administration, I20; Safety Eng'g and Fire Protection, I23; Advanced Industrial Engineering, I40; Elem. of Elect. Ry. Pract., E25; Wireless Telegraphy, E27; Special Elect. Eng. Problems, E33; Engineering Mathematics, E30; Hydraulic Turbines, M21; Railway Cons. and Maintenance, C.E. 63; Concrete Construction, C.E. 77; Alternating Currents, Phys. 33; Electrical Lab. Practice, Phys. 34; Sibley Journal Credit, X40; Central Stations, E23; Refrigeration, P31.

SCHOLARSHIPS AND PRIZES

The Sibley Prize in Mechanic Arts, the Frank William Padgham Scholarship and the Wurts Loan Fund, are awarded only to students in Sibley College; the **Fuertes Memorial Prizes in Public Speaking** are awarded only to students in the two colleges of engineering and in the College of Architecture. For these and for the prizes and scholarships that are open to all students of the University, see page 177.

COURSES OF INSTRUCTION

From two and a half to three hours in shops, laboratories, computation work, or drawing count as one credit hour in the schedule.

DEPARTMENT OF MACHINE DESIGN AND CONSTRUCTION

Machine Construction

- S. 3. Foundry Work. Either term, credit two hours. Messrs. VANDERHOEFF and EVANS.
S. 4. Forge Work. Either term, credit one hour. Messrs. HEAD and BROOKS.
S. 7. Pattern Making. Either term, credit three hours. Prerequisite course S. 3. Messrs. HOOPER, BUSH, and PRICE.
S. 10. Machine Work. Throughout the year, two hours credit a term. Prerequisite courses S. 3, 4, and 7. Assistant Professor WELLS, and Messrs. HOWE, BUCK, and BLOCK.

Machine Design

- D. 1. Drawing. First term, credit three hours. Assistant Professor HAM, and Messrs. ARMERUSTER, DIEDERICH, HARRINGTON, HOUGH, MORDOFF and TAYLOR.
D. 2. Descriptive Geometry. Second term, credit three hours. Lecture and drawing periods. Assistant Professor HAM and Instructors as in D. 1.
D. 3. Drawing. For students registered for the degree of Bachelor of Chemistry. First term, credit three hours. Assistant Professor HAM and Messrs. HARRINGTON, HOUGH and TAYLOR.
D. 5. Machine Drawing. First term, credit three hours. Prerequisite courses D. 1 and 2. Assistant Professor HAYES and Messrs. ANDRAE, FENTON, CLARK and WORN.
D. 6. Kinematics. Second term, credit two hours. Prerequisite courses D. 1 and 2, and must be taken with course D. 7. Recitations. Assistant Professor HAYES, and Messrs. ANDRAE, FENTON, CLARK and WORN.
D. 7. Kinematic Drawing. Second term, credit three hours. Prerequisite courses D. 1 and 2, and must be taken with course D. 6. Assistant Professor HAYES, and Messrs. ANDRE, FENTON, CLARK, and WORN.
D. 10. Drawing and Design. Throughout the year, credit two hours each term. Prerequisite courses D. 5, D. 6, D. 7, M. 5 and 6, and must be taken with course D. 16. Professors KIMBALL, and ALBERT, and Messrs. BRADFORD, GARNER, PARMLEY, and ROGERS.
D. 16. Machine Design. Throughout the year, credit three hours a term. One lecture and two recitations a week. Prerequisite courses D. 5, 6, 7, M. 5 and 6, and must be taken with D. 10. Professors KIMBALL, and ALBERT, Messrs. BRADFORD, GARNER, PARMLEY, and ROGERS.
D. 22. General Engineering Design. Throughout the year, credit two hours a term. Lectures. Prerequisite courses D. 10, D. 16, and P. 10, and must be taken with D. 23. Assistant Professor LEE and Mr. TOWNSEND.
D. 23. Drawing and Design. Throughout the year, credit three hours a term. Prerequisite courses D. 10 and 16 and P. 10, and may only be taken in connection with D. 22. Assistant Professor LEE and Mr. TOWNSEND.
D. 24. Engineering Notes. Second term, credit two hours. Prerequisite courses D. 10 and 16. Professor McDERMOTT.
D. 25. Ship Design. Lectures throughout the year, credit three hours a term. Prerequisite courses D. 10 and 16. Professor McDERMOTT.
D. 26. Speed and Power of Ships. Second term, credit two hours. Prerequisites D. 10 and 16. Lectures. Professor McDERMOTT.
D. 27. Design and Drawing. Throughout the year, credit three hours a term. Must be accompanied by D. 25. Professor McDERMOTT.
D. 28. Specifications, Contracts, etc. First term, credit two hours. Prerequisite courses D. 10 and 16. Professor McDERMOTT.
D. 39. Mining Methods and Design. Throughout the year, credit two hours per term. Professor KIMBALL.
D. 40. Advanced Designing. For graduates who have had the equivalent of D. 22 and D. 23, or of D. 25, 26, and 27. Professors KIMBALL, McDERMOTT, and ALBERT.

DEPARTMENT OF MECHANICS OF ENGINEERING

- M. 5 and 6. Mechanics of Engineering. M. 5 in first term, M. 6 in second term. Credit five hours a term. Prerequisite course Mathematics 6. Professor WOOD, Assistant Professor GARRETT and Messrs. CORNELL, DAY, HOTCHKISS, PERKINS, and SWITZER.
M. 12. Hydraulics. Second term, credit two hours. Prerequisite courses, M. 5 and 6. Messrs. SWITZER and PERKINS.
M. 21. Hydraulic Turbines. First term, credit two hours. Prerequisite course M. 12. One lecture and one recitation a week. Mr. SWITZER.

DEPARTMENT OF HEAT-POWER ENGINEERING

- P. 1. **Engineering Principles.** Either term as assigned, credit one hour. Professor SMITH.
- P. 10. **Elementary Heat-Power Engineering.** Throughout the year, credit three hours a term. Prerequisite courses Physics 8, 9, and 14, Chemistry 1, M. 5 and 6, and D. 5, 6, and 7. Two recitations and one lecture a week. Professor ELLENWOOD, and Messrs. CLARK, BANKS, and GATES.
- P. 11. **Heat Engines and Auxiliaries.** (For Civil Engineers.) Either term, credit three hours. Prerequisite courses Physics 2 and 7, (or the equivalent), Chemistry 1, C. E. 20. One lecture and two recitations a week. Professor ELLENWOOD, and Assistant Professor BERRY.
- P. 20. **Power Plant Design.** Throughout the year, credit three hours per term. Prerequisite course P. 10. One lecture and two recitations a week. A continuation of course P. 10. Professor SMITH, Assistant Professors MATTHEWS and BERRY.
- P. 23. **Heat-Power Machinery Design.** Throughout the year, credit three hours a term. Prerequisite courses D. 10, D. 16 and P. 10, and must be accompanied by course P. 24. Professor BARNARD and Assistant Professor PEIRCE.
- P. 24. **Designing and Drawing.** Throughout the year, credit two hours a term. Prerequisite courses D. 10, D. 16 and P. 10 and must be accompanied by P. 23. Professor BARNARD and Assistant Professor PEIRCE.
- P. 25. **Steam Turbines.** Second term, credit two hours. Prerequisite course P. 10. Lectures. Professor BARNARD.
- P. 28. **Gas Manufacture and Distribution (General).** Second term, credit two hours. Prerequisite courses D. 10, D. 16, and P. 10. Lectures. Assistant Professor PEIRCE.
- P. 29. **Gas Power Machinery (General).** First term, credit two hours. Not open to students taking Option B. Prerequisite courses D. 10, D. 16, and P. 10. Lectures. Assistant Professor PEIRCE.
- P. 30. **Steam Boiler Design.** First term, credit two hours. Prerequisite courses D. 10, D. 16, and P. 10. Lectures. Professor BARNARD.
- P. 31. **Refrigeration and Refrigeration Machinery.** Seniors and graduates, second term, credit two hours. Lectures, Assistant Professor PUTNAM.
- P. 32. **Motor Car Construction.** Seniors and graduates; Second term, credit two hours. Lectures, Assistant Professor UPTON.
- P. 33. **Heating and Ventilating.** Seniors and graduates, second term, credit two hours. Lectures, Assistant Professor SAWDON.
- P. 40. **Advanced Heat-Power Engineering.** Elective for those who have completed the equivalent of the design subjects in senior Option B. Professors SMITH, and BARNARD.
- P. 41. **Readings in English Literature.** Juniors and Seniors; two readings a week from Thanksgiving to Easter; one hour credit. Professor SAMPSON.

DEPARTMENT OF EXPERIMENTAL ENGINEERING

A. Mechanical Laboratory Division.

- X. 6. **Manufacture of Engineering Materials.** First or second term, credit two hours. Prerequisite course Chemistry 1. Lectures. Professor DIEDERICHS.
- X. 10. **Mechanical Laboratory—Properties of Engineering Materials.** First term, credit three hours. Prerequisite courses X. 6, M. 5 and 6. Assistant Professor UPTON, and Messrs. DIEDERICHS, KLINK, TILLEY, and THOMAS.
- X. 11. **Mechanical Laboratory—Introductory Experimental Engineering.** Second term, credit three hours. Prerequisite courses M. 5 and 6, Chem. 6 Phys. 3. One laboratory period and one written report a week. Assistant Professor UPTON, and Messrs. DIEDERICHS, KLINK, TILLEY, and THOMAS.
- X. 12. **Mechanical Laboratory.** Second term only, credit four hours. Prerequisite courses M. 5, and Phys. 10 and 14. One laboratory period and one report per week. Assistant Professor GAGE and Messrs. DAVIS, HOOK, GAVETT, and KNOX.
- X. 20. **Mechanical Laboratory—Experimental Engineering.** First term, credit three hours. Prerequisite courses X. 10, 11, P. 10. One laboratory period a week. Assistant Professor GAGE, and Messrs. DAVIS, HOOK, GAVETT and KNOX.
- X. 21. **Mechanical Laboratory—General Experimental Engineering.** Second term, credit three hours. One laboratory period a week alternating with one computing period. Assistant Professor GAGE, and Messrs. DAVIS, HOOK, GAVETT, and KNOX.
- X. 22. **Mechanical Laboratory.** First term, credit two hours. Prerequisites X. 10, 11 and P. 10. Assistant Professor GAGE, and Messrs. DAVIS, HOOK, GAVETT, and KNOX.

B. Engineering Research Division.

- X. 30. **Engineering Research.** Either or both terms; credit one hour for forty hours of actual work. Open to a limited number of seniors and graduates who have available at least two laboratory periods per week and who have shown proficiency in engineering subjects. Professor DIEDERICHS, Assistant Professors SAWDON, UPTON, and Mr. McVETTY.
- X. 31. **Power Plant Testing.** Either term, credit one hour for forty hours of actual work. Open to a limited number of seniors who have shown proficiency in engineering research. Professor DIEDERICHS, Assistant Professor SAWDON, and UPTON, and Mr. McVETTY.

X. 32. Thesis. Either or both terms, maximum total credit eight hours. All theses are under the general supervision of the Department of Experimental Engineering. Professor DIERICH, Assistant Professor SAWDON and UPTON, and Mr. MCVETTY.

X. 40. Sibley Journal Credit. Undergraduate members of the Sibley Journal Board may receive not to exceed two hours of University credit in each term of their senior year, for work satisfactorily done for the Sibley Journal, provided they are elected to the Board in their Sophomore year, or before, and continue as active members on it to the end of the term in which credit is desired.

DEPARTMENT OF ELECTRICAL ENGINEERING

E. 12. Essentials of Electrical Engineering. First term only, credit four hours. Two recitations and one laboratory experiment with report each week. Assistant Professor PUTNAM, and Messrs. BALLARD, and COTA.

E. 14. Elementary Electrical Engineering. Throughout the year, credit two hours per term. Prerequisite courses Physics 8, 9, and 14, M. 5 and 6. Must be accompanied by E. 15. Professor GRAY, Messrs. TAPPEN, and BASON.

E. 15. Elementary Electrical Engineering. Throughout the year, credit two hours per term. Prerequisite courses Physics 8, 9 and 14, M. 5 and 6. Must be accompanied by E. 14. Professor GRAY, and Messrs. PAGE, HUGHES, and COTA.

E. 20. Theory of Electrical Machinery. Throughout the year, credit two hours a term. Prerequisite courses E. 14 and 15. Lectures. Professor KARAPETOFF.

E. 21. Characteristics of Electrical Machinery. Throughout the year, credit three hours a term. Prerequisite courses E. 14 and 15. Two recitations and one computing period a week. Professor KARAPETOFF, and Assistant Professor PERTSCH and Mr. DEANS.

E. 22. Electrical Design. Throughout the year, credit two hours a term. Must be accompanied by E. 20 and E. 21. Professor GRAY, Assistant Professor PERTSCH and Mr. TAPPAN.

E. 23. Central Stations. Second term; credit two hours. Elective for seniors in E. E. Assistant Professor PUTNAM.

E. 25. Elements of Electric Railway Practice. Second term only, credit two hours. Prerequisite courses E. 14 and 15. One recitation and one computing period a week. Mr. CHAMBERLAIN.

E. 27. Wireless Telegraphy and Telephony. Second term only, two hours credit. Two recitations a week. Prerequisite courses first term of E. 20, E. 21, and E. 28. Mr. BALLARD.

E. 28. Senior Electrical Laboratory. Throughout the year, credit four hours a term. Must be accompanied by E. 20 and E. 21. Two laboratory periods, one recitation and one report a week. Assistant Professor FORD, Messrs. CHAMBERLAIN, FLOYD, and STEVENS.

E. 30. Engineering Mathematics. Throughout the year, credit two hours per term. Professor KARAPETOFF and Mr. DEANS.

E. 33. Special Electrical Engineering Problems. First or second term or both. Credit two or more hours. Professor KARAPETOFF, and others.

E. 36. Electrical Engineering for M. E. Seniors. Repeated in second term, two hours credit. Prerequisite courses X. 11, E. 14 and E. 15. Lectures and computations. Assistant Professor PUTNAM, Mr. BROWN.

E. 37. Electrical Engineering for M. E. Seniors. Repeated in second term, two hours credit. Prerequisite courses XII, E. 14 and E. 15. One laboratory period and one recitation a week. Assistant Professor PUTNAM, and Mr. STEWART.

Seminary in Electrical Engineering. No credit. Conducted by Professors GRAY and KARAPETOFF.

DEPARTMENT OF INDUSTRIAL ENGINEERING

I. 12. Industrial Organization. Open to juniors and seniors of other colleges. First term, credit two hours. Professor KIMBALL and Mr. MEYLER.

I. 20. Industrial Administration. Two lectures per week throughout the year, credit two hours per term. Prerequisite course I. 12. Professor KIMBALL and Mr. MEYLER.

I. 22. Drawing and Design. One recitation and six hours in the drawing room per week throughout the year, credit three hours per term. Prerequisite courses D. 10 and D. 16, and must be accompanied by I. 20. Professor ALBERT and Mr. MEYLER.

I. 23. Safety Engineering and Fire Protection. Two lectures per week during the second term, two hours credit. Prerequisite course I. 12. Professor WELLS.

I. 40. Advanced Industrial Engineering. Open to graduates and seniors who have completed the equivalent of I. 20 and 22. Professors KIMBALL, WELLS and ALBERT.

THE UNIVERSITY LIBRARY

LIBRARY COUNCIL

Jacob Gould Schurman, President of the University.

Charles H. Blood, of the Board of Trustees.

Willard Austen, Librarian.

William Strunk, jr.

William N. Barnard,

Allyn A. Young,

Albert C. Phelps.

} elected by the University Faculty.

GENERAL LIBRARY STAFF

Willard Austen, Librarian.

Andrew Curtis White, Ph.D., Assistant Librarian.

George Lincoln Burr, A.B., LL.D., Librarian President White Library.

Halldor Hermannsson, Curator of Icelandic Collections.

Mary Fowler, B.S., Curator of Dante and Petrarch Collections.

Elizabeth Sage Ingersoll, Supt. Accessions Division.

Minerva Augusta Stubbs, Supervisor of Periodicals.

Olla Rebecca Ayres, Supervisor of Catalog.

Giorgio di Grassi, Supt. Stacks and Department Libraries.

Lee H. Daniels, Asst. Supt. Stacks and Dept. Libraries.

Elias Root Beadle Willis, A.B., A.M., Supt. Readers Division.

The University Libraries comprise the General Library of the University, the Law Library, the Architectural Library, the Chemical Library, Sibley College Library, Civil Engineering Library, the Flower Veterinary Library, the Barnes Reference Library, the Goldwin Smith Hall Library, the Stimson Hall Medical Library, and the Library of the New York State College of Agriculture.

The total number of bound volumes in the University Library is now over four hundred and seventy-five thousand and the annual additions number about fifteen thousand volumes.

The Library Building, the gift of the late Hon. Henry W. Sage, has an estimated capacity of five hundred thousand octavo volumes. The general reading rooms contain accommodations for two hundred and seventy readers, and the open book cases around the rooms provide shelf-room for twelve thousand volumes. In the tower are the great bell of the University, the gift of Mrs. Mary White, and the chime of bells, the gift of Mrs. Jennie McGraw Fiske.

The income of an endowment fund of three hundred thousand dollars, given by the late Henry W. Sage in 1891, is devoted to the purchase of books and periodicals. The income of an endowment fund of five hundred and three thousand dollars, received in 1906 by the bequest of the late Willard Fiske, is to be expended for the uses and purposes of the Library, with specific provision for the maintenance and increase of the Icelandic and the Italian collections; at present one-third of the free income from this fund is used for the purchase of books and periodicals and for binding.

Among the more important special collections in the General Library are: the ANTHON LIBRARY, of nearly seven thousand volumes, the collection made by the late Professor Charles Anthon, of Columbia College, in the ancient classical languages and literatures, besides works in history, and general literature; the BOPP LIBRARY, of about twenty-five hundred volumes, relating to the oriental languages and literatures, and comparative philology, being the collection of the late Professor Franz Bopp of the University of Berlin; the GOLDWIN SMITH LIBRARY, of thirty-five hundred volumes, comprising chiefly historical works and editions of the English and ancient classics, presented to the University in

1869 by the late Professor Goldwin Smith, and increased during later years by the continued liberality of the donor; the publications of the Patent Office of Great Britain, about three thousand volumes; the WHITE ARCHITECTURAL LIBRARY, a collection of over twelve hundred volumes relating to architecture and kindred branches of science, given by ex-President White; the KELLY MATHEMATICAL LIBRARY, comprising eighteen hundred volumes and seven hundred tracts, presented by the late Hon. William Kelly, of Rhinebeck; the SPARKS LIBRARY, being the library of Jared Sparks, sometime President of Harvard University, consisting of upward of five thousand volumes and four thousand pamphlets, relating chiefly to the history of America; the MAY COLLECTION, relating to the history of slavery and anti-slavery, the nucleus of which was formed by the gift of the library of the late Rev. Samuel J. May, of Syracuse; the SCHUYLER COLLECTION of folk-lore, Russian history and literature, presented by the late Hon. Eugene Schuyler in 1884; the PRESIDENT WHITE HISTORICAL LIBRARY, of about twenty thousand volumes (including bound collections of pamphlets) and some three thousand unbound pamphlets, the gift of ex-President White, received in 1891, especially rich in the primary sources of history, and containing notable collections on the period of the Reformation, on the English and French Revolutions, on the American Civil War, and on the history of superstition; the SPINOZA COLLECTION, numbering four hundred and fifty volumes, presented in 1894, by ex-President White; the four remarkably rich collections given by the late Willard Fiske, comprising the DANTE COLLECTION, containing seven thousand five hundred volumes, the PETRARCH COLLECTION, containing about four thousand volumes, the RHAETO-ROMANIC COLLECTION, containing about thirteen hundred volumes, and the ICELANDIC COLLECTION containing over ten thousand volumes; the ZARNCKE LIBRARY, containing about thirteen thousand volumes and pamphlets, especially rich in Germanic philology and literature, purchased and presented in 1893 by William H. Sage; the HERBERT H. SMITH COLLECTION of books relating to South America, purchased in 1896; a valuable collection of books on French and Italian society in the 16th and 17th centuries, presented by Professor T. F. Crane, in 1896; the EISENLOHR LIBRARY containing about one thousand volumes on Egyptology and Assyriology purchased and presented in 1902 by A. Abraham; BAYARD TAYLOR's correspondence and journals and his collection of Goethe literature, presented to the Library in 1905 by Mrs. Marie Taylor; the valuable ANGLO-SAXON COLLECTION and the COWPER COLLECTION formed by the late Professor Hiram Corson, bequeathed to the Library, and received in 1911; GOLDWIN SMITH's correspondence and literary manuscripts presented in 1911 by Arnold Haultain; a large and valuable collection of works in the fields of English and Celtic philology presented by Professor J. M. Hart in 1914; the J. W. Guiteau INSURANCE LIBRARY; the LIBRARY OF JAPANESE LITERATURES, presented by Rev. W. E. Griffis.

Supplementing the general card catalogue of the library, there have been issued printed catalogues of the President White collections on the Protestant Reformation (1889) and the French Revolution (1894), and of the Rhaeto-Romanic collection (1894), the Dante collection (1900), the Icelandic collection (1914), and the Petrarch collection.

The library is primarily for the use of University officers and students. Books not held in reserve for special reasons are allowed to go out for home use to all registered borrowers. Cards of admission to the shelves in the stack-rooms, and to the White Historical Library, will be issued for a limited time to students for the purposes of consultation and research, when their work is of such a nature as to require access to the book shelves. The library is open on week days, during term time, from 8 A. M. till 10:45 P. M. In vacation it is open on week days from 9 A. M. till 5 P. M.

The Goldwin Smith Hall Library, in Goldwin Smith Hall, is distinctly a reference collection, numbering now over two thousand volumes. It consists chiefly of books used in connection with the undergraduate work in humanities, providing in certain cases many copies of the books most in demand in the larger classes.

The Law Library occupies the third floor of Boardman Hall. It now contains over forty-nine thousand volumes, and includes the library of the late Nathaniel C. Moak, presented in 1893 by Mrs. A. M. Boardman and Mrs. Ellen D. Williams, as a memorial to Judge Douglas Boardman, the first Dean of the College of Law. In reports to the Federal Courts, reports of the several American state jurisdictions, and in English, Scotch, Irish, and Canadian reports, the law library is practically complete to date. The library also possesses complete sets of all the leading law periodicals in English.

The Barnes Reference Library for Biblical Study was presented to the University by the late Alfred C. Barnes for the use of the Cornell University Christian Association, and occupies a room in Barnes Hall. The collection now numbers 2069 volumes, all fully catalogued as part of the University Library. After the death of the donor his children gave to the University, for the maintenance and increase of the collection, an endowment of five thousand dollars.

The Flower Veterinary Library, now numbering about four thousand eight hundred volumes, owes its formation to the late Roswell P. Flower who gave, in 1897, five thousand dollars to Cornell University to establish a veterinary library, for the use of the State Veterinary College. In 1901, Mrs. Flower gave to the University ten thousand dollars for an endowment fund, the annual income of which is to be used for this library.

The Stimson Hall Medical Library was established in 1903 by gifts and by class memorial subscriptions. It now contains over thirteen hundred volumes.

The Medical College in New York City has its own library containing about seven thousand bound volumes and a large number of reprints and monographs, including the Birch-Hirschfeld bound collection. The library receives about one hundred current periodicals which include nearly all the more important German, French, English and Italian journals in the field of medical science.

The Agricultural College Library, comprising the college library, the Forestry Library, the Entomological Collection, and the Craig Horticultural Library, consists of some twelve thousand volumes supplementing the agricultural collections in the General Library.

SCHOLARSHIPS AND PRIZES

STATE TUITION SCHOLARSHIPS

(Awarded by New York State)

Under the law of the State of New York the Commissioner of Education is empowered to award annually a number of free scholarships in Cornell University equal to the number of Assembly districts in the State of New York. Each scholarship entitles the holder to free tuition for four years beginning in the September immediately following the award of the scholarship.

All scholarship holders must satisfy the regular requirements for admission to one of the colleges of the University.

Holders of State Scholarships are notified that failure to register before the close of the last registration day for each term involves the severance of their connection with the University and consequently the forfeiture of their scholarships. The Commissioner of Education fills all vacancies in scholarships.

A State Scholarship holder after regular registration at the University, may receive a leave of absence for the purpose of earning necessary funds to defray his living expenses at the University. The total period of such leave of absence without forfeiture of the scholarship is two years.

For particulars concerning the award of State Scholarships, application should be made to the Commissioner of Education, Albany, N. Y.

STATE CASH SCHOLARSHIPS

(Awarded by New York State)

Under the law of the State of New York (Chapter 292, Laws of 1913), State Scholarships have been established in the several counties of the State, to be maintained by the State as provided by law. Five such scholarships are to be awarded each county annually for each assembly district therein. Each such scholarship will entitle the holder thereof to the sum of one hundred dollars for each year of his attendance upon an approved college in this State during a period of four years. A person who receives such scholarship is not restricted in his choice of the college which he desires to attend, or as to the course of study which he proposes to pursue; provided that no such scholarship shall include professional instruction in law, medicine, dentistry, veterinary medicine, or theology, except so far as such instruction is within a regularly prescribed course of study leading to a degree other than in one of the above named professions; and provided further, that the college selected by the person entitled to such scholarship is situated within the State of New York, and is incorporated as a college and authorized under the laws of this State and the rules of the Regents of the University to confer degrees.

For particulars in regard to the awarding of State Scholarships, application should be made to the Commissioner of Education, Albany, New York.

UNIVERSITY UNDERGRADUATE SCHOLARSHIPS

(Awarded by the University)

Eighteen University Undergraduate Scholarships, each continuing for two years and of an annual value of \$200, are offered each year to members of the incoming freshman class. The award is made on the basis of a special competitive examination held in Ithaca in September between the period of the entrance examinations and the opening of the University.

Every candidate for such a scholarship must have satisfied the entrance requirements for one of the colleges of the University.

The University Undergraduate scholarships will be awarded on the basis of examinations in three of the eight following subjects:

(a). English. Entrance requirement. (b). Greek. Greek grammar and composition; translation at sight of simple prose. (c). Latin. Latin grammar and

Caesar; composition and Cicero; Virgil. (d). French. Third year French. (e). German. Third year German. (f). Spanish. Third year Spanish. (g). Elementary mathematics. Elementary algebra; intermediate algebra; plane geometry. (h). Advanced mathematics. Solid geometry; advanced algebra; and plane trigonometry.

In choosing three of these eight subjects, every candidate must take English and at least one of the other five languages; and any candidate who does not select either Latin or Greek must take advanced mathematics.

No scholarship will be awarded to any candidate who is reported markedly deficient in any subject in which he is examined, and the right is reserved to fill fewer than eighteen scholarships in the absence of a sufficient number of duly qualified candidates.

Before the scholarships are awarded, every candidate must indicate the college and, if several curricula with diverse entrance requirements are offered in that college, the curriculum in which he intends to register. In order to hold a scholarship, if it be awarded to him, he must register in that college or curriculum; and he will forfeit his right to the scholarship, if he transfers to any other college or curriculum, unless, at the time when he was admitted to the University, he had satisfied, as shown by the records of the University, all the entrance requirements for the college or the curriculum to which he transfers.

All persons shall be debarred from the competition for these scholarships who have participated in any previous competition for the same, or have been previously registered in this University (including the Summer Session) or in any other university or college.

The moneys due on these scholarships are paid at the office of the Treasurer of the University in two equal payments, on the 20th of February and the 25th of June, but no scholarship holder is entitled to receive his semi-annual payment until the Scholarship Committee has examined and approved the holder's record for the preceding term, and until the chairman of the Scholarship Committee has certified that the record of the holder is satisfactory.

The special examinations for these scholarships begin on the first day of registration in September. Permits to take the examinations will be issued by the Registrar by mail on application, provided the candidate has satisfied all the entrance requirements and provided the application is accompanied by a statement giving the name of the school at which the candidate was prepared, the name of the principal, and the college degrees held by the candidate.

SPECIAL UNDERGRADUATE SCHOLARSHIPS

The Frank William Padgham Scholarship. This scholarship, founded in 1892 by Amos Padgham of Syracuse, New York, in memory of his son, Frank William Padgham, a graduate of Sibley College of the class of 1888, entitles the holder to free tuition and fees in the regular curriculum in Sibley College of Mechanical Engineering. It cannot be held in connection with a New York State Scholarship. The Frank William Padgham Scholarship will be awarded to the candidate who has had his preparatory education wholly or in part in the public schools of Syracuse, New York, and who, having been admitted to the regular curriculum in Sibley College, shall pass the best examination in a competitive examination on mathematics (solid geometry, advanced algebra, and plane trigonometry) and on two of the following: 1. third year German; 2. third year French; 3. English. Of these subjects the candidate must take three including mathematics. The examination for the Padgham Scholarship is held at the same time as the University Undergraduate Scholarship examinations.

State Grange Scholarships in Agriculture. At its annual meeting in February, 1914, the New York State Grange adopted a resolution whereby \$600 is to be given to members of the Order in the form of twelve scholarships in the Winter Courses in Agriculture in Cornell University. The scholarships are each of the value of \$50, to be awarded to men or women who attain the highest standing in competitive examinations. The candidate should apply to the Master of

Pomona Grange in his home county, or to the Deputy in counties which have no Pomona Grange.

Boardman Senior Law Scholarship. A Senior Law Scholarship of the value of one hundred dollars, the gift of Judge Douglass Boardman, the first dean of the College, is awarded annually in June to the junior who has, in the judgment of the Faculty, done the best and most satisfactory work in law subjects to the end of his junior year. It is available during the senior year and is payable in the same way as are other University undergraduate scholarships. This scholarship may be forfeited in case the Faculty is convinced that the holder has not maintained a high standard of work, or has been guilty of any conduct unbecoming the holder of such a scholarship.

Fraser Scholarships. Two scholarships of the value of \$100 and \$50, respectively, the gift of an alumnus of the College of Law, in memory of Alexander Hugh Ross Fraser, late librarian of the College, are awarded annually about the beginning of the college year to seniors whose law study has been done entirely in Cornell University. They are awarded to students who have most fully evidenced high qualities of mind and character by superior achievement in scholarship and by those attributes of manliness which earn the commendation of teachers and fellow students. The award is made upon recommendation of the senior class by vote from a list of members submitted by the Faculty as eligible by reason of superior scholarship. The holder of the Boardman Scholarship is not eligible.

The Roberts Scholarship Fund, a gift of the late Dr. Charles H. Roberts, of Oakes, Ulster County, New York, provides five annual scholarships. As expressed by the founder, the purpose of these scholarships is to furnish financial assistance to students in the College of Agriculture who are of good moral character, who show native ability, tact, and application, and who are in need of such assistance. Preference is given to students who come from rural districts. The award is made after the close of the first term of each year. The value of each scholarship is \$240.

The Buffalo Alumni Association Scholarship of the annual value of \$200, for students who are residents of Erie or Niagara County, New York. Cornell University is not responsible for the awarding of this scholarship.

The Student Fund of the Cornell Club of Rochester provides a loan of the annual value of \$200 as a maximum. The recipient must be an upperclassman, must have had at least one year of residence at Cornell University, and must be eligible to membership in the Cornell Club of Rochester, New York. Cornell University is not responsible for the award or the payment of this scholarship.

For Scholarships and Fellowships in the Graduate School, see page 52.

PRIZES

For information concerning the award of the following prizes, the pamphlet on Prize Competitions should be consulted.

The Woodford Prize, founded by the Hon. Stewart Lyndon Woodford, is of the value of one hundred dollars and will be given annually for the best English oration, both matter and manner of delivery being taken into account. The prize is in the form of a gold medal, but the winner may, if he chooses, receive instead one hundred dollars in money. Graduate students may not compete for this prize.

The '86 Memorial Prize, the income of a sum of money left as a memorial by the class of 1886, and amounting to eighty-six dollars annually, is an undergraduate prize in declamation to be awarded at a public contest held in May of each year.

The '94 Memorial Prize, the income of a fund established by the class of 1894 and amounting to about ninety-four dollars annually, is an undergraduate prize in debate to be awarded at a public contest held in January of each year.

The Barnes Shakespeare Prize, The Shakespeare Prize, founded in 1887 by Mrs. Alfred Smith Barnes, of Brooklyn, consists of about fifty dollars, the annual income from her gift of one thousand dollars. This prize is open only to undergraduate students.

The Guilford Essay Prize, founded in 1902 by the late James B. Guilford to promote "a high standard of excellence in English prose composition," consists of about one hundred and fifty dollars, the annual income from his bequest of three thousand dollars. This prize is open only to undergraduate students.

The J. G. White Prizes in Spanish. Through the generosity of Mr. James Gilbert White (Ph.D., Cornell, '85), three prizes, each of the value of one hundred dollars, are offered annually to English speaking students of proficiency in Spanish and to Spanish speaking students for proficiency in English. These prizes are open only to undergraduate students.

The Corson French Prize, founded in 1902 by Professor Hiram Corson in memory of his wife, Caroline Rollin Corson, consists of a gold medal of the value of fifty dollars to be awarded annually for the best essay on a subject in either French philology or literature. If the winner so desires, he may receive the value of the prize in money. Competition for this prize is open to all students.

The Corson Browning Prize, founded in 1902 by Professor Hiram Corson, consists of a gold medal of the value of fifty dollars, to be awarded annually for the best competitive essay on Robert Browning. If the winner so desires, he may receive the value of the prize in money. Competition for this prize is open to juniors, to seniors, and to graduate students.

The Luana L. Messenger Memorial Prize, the annual income of a fund of five thousand dollars, founded by Mr. Hiram J. Messenger, will be awarded in accordance with the terms of the gift, to that student of the University who submits the essay "giving evidence of the best research and most fruitful thought in the field of human progress or the evolution of civilization during some period in human history or during human history as a whole."

The Sherman-Bennett Prize was founded by Philo Sherman-Bennett of New Haven, who, by provision of his will, bequeathed to William J. Bryan, of Lincoln, Nebraska, a fund to found prizes in twenty-five colleges or universities to be selected by him. The prize consists of the income of four hundred dollars, and is awarded "for the best essay discussing the principles of free government." Competition is open to all students of the University.

The Frances Sampson Fine Arts Prize. This prize, founded in 1909 by Professor Martin Sampson in memory of his wife Frances Van Rensselaer Sampson, is awarded "to that student in the University who shows the most intelligent appreciation of the graphic and plastic arts and architecture." The prize is not given for practical proficiency in painting, drawing, or designing, but for natural or acquired ability to appreciate artistic beauty. The prize, of about thirty dollars to be expended in books or reproductions, is awarded sometime in April under regulations administered by the Professor of Esthetics.

The J. T. Morrison Prize, founded by J. T. Morrison, of Ithaca, and consisting of a gold medal of the value of one hundred dollars or of one hundred dollars in cash at the option of the successful competitor, will be given annually for the best original poem, or poems, matter and manner of delivery being taken into account. This prize is not open to graduate students.

The Horace K. White Prizes, established by Horace K. White, of Syracuse, are awarded annually to the most meritorious students in the graduating class of the New York State Veterinary College, as follows: to the first in merit, fifteen dollars; to the second in merit, ten dollars.

Sibley Prizes in Mechanic Arts. Under the gift of the Hon. Hiram Sibley, made in 1884, the sum of one hundred dollars will be awarded annually to those students in Sibley College who shall, in the opinion of the Faculty of that institution show the greatest merit in Sibley College work.

The Fuertes Medals, two gold medals established by Professor E. A. Fuertes, each of the value of one-half the amount of the income provided by the endowment fund, will be awarded under the following conditions:

One of these medals will be awarded annually to the student in the College of Civil Engineering who shall be found, at the time of graduation, to have maintained the highest scholarship in the courses of his college, provided he has been in attendance in the University for at least two years; and the other medal will be awarded annually to a graduate of the College of Civil Engineering for a meritorious paper tending to advance the scientific or practical interests of the profession of civil engineer.

The Clifton Beckwith Brown Memorial Medal was established by John Harkness Brown in memory of his brother Clifton Beckwith Brown, killed on the field of battle at San Juan Hill. A silver replica is awarded to the senior in the College of Architecture attaining the highest standing in design during his senior year, and a bronze replica to the senior taking second place. These medals however, are not awarded solely for order of merit; the award is not made unless the standard reached in design is considerably higher than that required for graduation.

The Charles Goodwin Sands Memorial Medal, founded by the family of Charles Goodwin Sands of the class of '90, is awarded for designs of exceptional merit presented in the regular competitions in the College of Architecture. The medal drawings are ranked as first and second medal drawings, according to merit. The author of a first medal drawing will receive a silver replica and the author of a second medal drawing a bronze replica of the medal. The award is for merit alone and while the medal is occasionally won by undergraduates, the standard is such that the honor of winning the first medal usually falls to graduate students.

The Eastman Prize for Public Speaking. With the object of developing qualities of personal leadership in rural affairs, A. R. Eastman of Waterville, New York, has established in the College of Agriculture an annual prize of one hundred dollars for public speaking on country life subjects. Competition is open to any regular or special student in the College of Agriculture.

The John Metcalfe Polk Prizes. In memory of John Metcalfe Polk, an instructor in the Medical College, who graduated from the Medical Department of Cornell University on June 7, 1889, and died on March 29, 1904, three prizes

aggregating five hundred dollars will be presented at each commencement to members of the graduating class who have completed the full course of study in Cornell University Medical College. These prizes will be awarded as follows: to the student having the highest standing, three hundred dollars; to the student having the second highest standing, one hundred and twenty-five dollars; to the student having the third highest standing, seventy-five dollars.

The Dana Prizes. Two prizes, one of fifty dollars and another of twenty-five dollars, are offered by Professor Charles Loomis Dana to the two students of the graduating class of the Medical College, to be designated by him, who make the best reports of neurological cases seen during the course, provided that the reports submitted possess sufficient merit to warrant the award.

The Hollingworth Honorarium for Research. An honorarium of fifty dollars for advanced work or research in pathology and bacteriology, established by Dr. W. G. Hollingworth of Utica, is awarded to a senior in the Veterinary College on his general standing in the work of the first two years and his proficiency in the first courses in pathology and bacteriology.

The Whiting Prizes. Two prizes, the first of fifty dollars, the second of twenty-five dollars, are offered by Professor Frederick Whiting to the two students of the graduating class of the Medical College, to be designated by him, who make the best record in practical and theoretical work in otology.

The Fuertes Memorial Prizes in Public Speaking were founded by Charles H. Baker, a graduate of the College of Civil Engineering of the class of 1886. Three prizes, one of one hundred twenty-five dollars, one of thirty-five dollars, and one of twenty dollars, are awarded annually to members of the junior and senior classes in the Colleges of Engineering and Architecture, for proficiency in public speaking.

The C. Lathrop Pack Prize is a gift of \$500 the interest of which is to be used by the Faculty of the Department of Forestry "in the interests of forestry."

The Jane Miller Prize of fifty dollars is awarded to the student or students having the highest standing in the subject of veterinary physiology.

The James Gordon Bennett Prize of fifty dollars is offered for work done on local and generalized anesthesia. The prize is open to seniors in the Veterinary College.

The Early English Text Society Prizes. The Early English Text Society annually donates four of its publications to be awarded as prizes to the students who pass the best examination in Early English.

The Graduate Prize in Philosophy has an annual value of about twenty-five dollars, and is open for competition to all students registered in the Graduate School. The prize will be awarded to the student who submits the best paper embodying the results of research in the field of philosophy.

The George Chapman Caldwell Prize of fifty dollars was established by Professor Frank Cary Caldwell and Mrs. Grace Caldwell Chamberlain as a memorial to their father. The prize, accompanied by a certificate, is to be awarded annually to a member of the senior class for general excellency in chemistry.

The Stewart Prize for the production of clean milk is a prize of fifty dollars donated by Mr. S. L. Stewart of Brookside Farms, Newburgh, N. Y.

The Morrison Trophy Cup Prize is awarded to students in the winter courses for proficiency in debate.

FELLOWS AND GRADUATE SCHOLARS 1916-1917

HONORARY FELLOW

William Delbert Funkhouser, A.B. (Wabash) 1905; A.M. (Cornell) 1913;
Ph.D. (Cornell) 1916.

UNIVERSITY FELLOWS

The Cornell Fellowship:

Oliver Morley Ainsworth, B.S. (Cornell) 1915 English

The Schuyler Fellowship:

Fred Waldorf Stewart, A.B. (Cornell) 1916 Histology and Embryology

The Sibley Fellowship:

Birton Neill Wilson, B.Sc., M.E. (Georgia School of Technology) 1896;
M.E. (Michigan) 1909 Mechanical Engineering

The Goldwin Smith Fellowship:

E. Lawrence Palmer, A.B. (Cornell) 1911, A.M. (same) 1913 Botany

The President White Fellowship:

Harold L. Camp, B.A. (Grinnell) 1914 Physics

The Erastus Brooks Fellowship:

Temple Rice Hollcroft, B.S. (Hanover) 1912; A.B. (same) 1914;
A.M. (Kentucky University) 1915 Mathematics

The Fellowship in German:

Charles Frederick Barnason, A.B. (College of the City of New York) 1915
German

The Fellowship in Romance Languages:

David Clark Cabeen, A.B. (Syracuse) 1908 Romance Languages

The Fellowship in Agriculture:

J. Edward Richardson, jr., A.B. (Johns Hopkins) 1913; M.S. (Wisconsin)
1916 Agriculture

The Fellowship in Mechanical Engineering:

Charles Ernest Oakes, B.S. (Oregon Agricultural College) 1915
Mechanical Engineering

The President White Fellowship in History and Political Science:

Myron Webster Watkins, A.B. (Michigan) 1914 History and Political Science

The Fellowships in Greek and Latin:

Frederick Walter Dickinson, B.A. (Hobart) 1915; M.A. (same) 1916
Greek and Latin

Miss Donnis Martin, A.B. (Missouri) 1911; A.M. (same) 1913
Greek and Latin

The Sage Fellowship in Psychology:

Gilbert Joseph Rich, A.B. (Cornell) 1915; A.M. (same) 1915 Psychology

The Sage Fellowships in Philosophy:

William E. Bingham, B.D. (Meadville Theological School) 1913; M.A.
(Michigan) 1914 Philosophy

William Curtis Swabey, A.B. (Leland Stanford) 1915 Philosophy

The Fellowships in Political Economy:

Sit Iu Sz-to, A.B. (Cornell) 1915 Political Economy
Clyde Olin Fisher, A.B. (Trinity) 1911 Political Economy

The Edgar J. Meyer Memorial Fellowship in Engineering Research:
Justin Federal Wait, M.E. (Cornell) 1916

The Fellowship in Architecture:

Ellis William Beck, B.Arch. (Cornell) 1916

Architecture

The Fellowship in Civil Engineering:

Joseph W. McArthur, B.S. (Oregon) 1908; C.E. (same) 1912

Civil Engineering

The Fellowship in Modern European History:

Alfred Henry Sweet, A.B. (Bowdoin) 1913; A.M. (Harvard) 1914

Modern European History

The Fellowship in American History:

Paul DeMund Evans, A.B. (Cornell) 1913; A.M. (same) 1914

American History

The Fellowship in Chemistry:

Charles Vivian Smith, A.B. (Wabash) 1913

Chemistry

UNIVERSITY GRADUATE SCHOLARS

The Sage Scholarships in Philosophy:

Earl D. Pugsley, A.B. (Cornell) 1916

Virginia Baker, A.B. (Bryn Mawr) 1916

Frederick William Addison Miller, Ph.B. (Brown) 1915; M.A. (same) 1916.

Melvin Rigg, A.B. (Baker University) 1916.

Charles H. Wright, B.S. (Middlebury) 1916.

The Sage Graduate Scholarship in Psychology:

Josephine Mixer Gleason, A.B. (Vassar) 1914.

The Graduate Scholarship in Latin and Greek:

Gladys Martin, A.B. (Missouri) 1911; A.M. (same) 1913.

The Graduate Scholarship in Archaeology and Comparative Philology:

Harry Caplan, A.B. (Cornell) 1916.

The Graduate Scholarship in Entomology:

Frank Kye Smith, A.B. (Oklahoma University) 1916.

The Graduate Scholarship in Mathematics:

George Merritt Robison, A.B. (Cornell) 1916.

The Graduate Scholarship in English:

Harold Matthew Davidson, B.A. (Queen's University of Belfast) 1915; M.A. (Michigan) 1916.

The Graduate Scholarship in Physics:

Leon John Sivian, A.B. (Cornell) 1916.

The Jacob H. Schiff Scholarships in German:

James Owen Knauss, B.A. (Lehigh) 1910; A.M. (Harvard) 1913.

Charlotte Helen Pekary, A.B. (Cornell) 1915; A.M. (same) 1916.

The Scholarship in American History:

Irene Bates Kirschstein, A.B. (Nebraska) 1915.

The Scholarship in Psychology:

Cora Louisa Friedline, A.B. (University of Nebraska) 1913; A.M. (same) 1915.

The Scholarships in Architecture:

Albert Eugene Price, B.Arch. (Cornell) 1916.

Robert Henry McNaughton, B.Arch. (Cornell) 1916.

The Scholarship in Chemistry:

Harold Simmons Booth, A.B. (Western Reserve) 1915; A.M. (same) 1916.

The Scholarship in Veterinary Medicine:

Earl M. Dobbs, D.V.M. (Kansas State Agricultural College) 1916.

UNIVERSITY UNDERGRADUATE SCHOLARSHIPS

CLASS OF 1919

- The Cornell Scholarships:
Israel Safir, Arts and Sciences.
Samuel Greenberg, Arts and Sciences.
- The President White Scholarships:
Andrews Clement Wintringham, Arts and Sciences (Chemistry).
Malcolm Fuller Orton, Arts and Sciences.
- The Sage Scholarships:
Jacob Wilson, Arts and Sciences.
Jeanette Heertje, Arts and Sciences.
- The Sibley Scholarships:
Herbert Saphir, Arts and Sciences (Chemistry).
David Perlman, Arts and Sciences (Chemistry).
- The Henry B. Lord Scholarships:
Norman Toivo Newton, Agriculture.
Charles Texford Davis, Agriculture.
- The McGraw Scholarships:
Ernest Leopold Hettich, Arts and Sciences.
Jesselyn Adele Kimmel, Arts and Sciences.
- The Stewart L. Woodford Scholarships:
Harold Alden Jewett, Arts and Sciences (Chemistry).
William Shack, Arts and Sciences (Chemistry).
- The John Stanton Gould Scholarships:
Harry Sidney Berkoff, Arts and Sciences.
Theodore Burton Karp, Arts and Sciences.
- The Horace Greeley Scholarships:
William August Papke, Arts and Sciences (Chemistry).
Julius Livant, Agriculture.

THE CLASS OF 1920

- The Cornell Scholarships:
James Raymond Wadsworth, Arts and Sciences.
Harry Essler Kroin, Arts and Sciences.
- The President White Scholarships:
Hillel Poritsky, Agriculture.
Russell Olin Hooker, Arts and Sciences.
- The Henry B. Lord Scholarships:
Madeline Fay Gilmour, Arts and Sciences.
Sophie Dazian Worms, Arts and Sciences.
- The McGraw Scholarships:
Hyman Klein, Arts and Sciences.
Samuel Feldman, Arts and Sciences.
- The Sage Scholarships:
Lansing Southwick Hoskins, Law.
Arthur William Hatch, Arts and Sciences.
- The Sibley Scholarships:
Solomon Schwartzreich, Mechanical Engineering.
Morris Berkowitz, Arts and Sciences.
- The Stewart L. Woodford Scholarships:
Mark Cymrot, Arts and Sciences.
Samuel Engel, Civil Engineering.
- The John Stanton Gould Scholarships:
Charles Eliot Rhodes, Arts and Sciences.
Joseph Nemser, Arts and Sciences (Chemistry).
- The Horace Greeley Scholarships:
Howard Burgess Malmar, Arts and Sciences.
Frederick Reinhold Martin Undritz, Agriculture.

RESIDENTIAL HALLS

The University has five residential halls for men students. These are situated on the Campus and furnish accommodations for about four hundred and twenty men. The annual charges for single rooms range from \$75 to \$150. For particulars address the Treasurer of the University, Ithaca, N. Y.

The residential halls for women students are Sage College and Prudence Risley Hall. In these buildings, the total cost of board, laundry, and rent of furnished rooms, with heat and light, is three hundred and thirty dollars a year. The University Adviser of Women has jurisdiction over all women students in the University and women students are not permitted to board or lodge outside of the dormitories for women, except in houses approved by the Adviser.

SAGE CHAPEL AND BARNES HALL

Religious services, provided for by the Dean Sage Preachership Endowment, are conducted in Sage Chapel throughout the academic year by clergymen selected from the various religious denominations.

The Cornell University Christian Association is a voluntary organization of students and professors formed for their own religious culture and for the promotion of Christian living in the University. The Christian Association has its home in Barnes Hall, which contains a library of biblical literature and reading and recreation rooms. Bible study courses are carried on throughout the year.

THE CORNELL INFIRMARY

The Cornell Infirmary is the former mansion of the late Henry Williams Sage, for many years chairman of the Board of Trustees of the University. At his death in 1897, his sons, Dean and William Henry Sage, endowed it and gave it to the University for a students' Infirmary as a memorial to their father. In 1912 the annex to the Infirmary was erected with a capacity of sixty-two beds.

The Infirmary is in charge of a superintendent and is open throughout the University year. It provides suitable rooms, food, and nursing, for sick students. It has no medical staff; students select their own physicians among practitioners in Ithaca or elsewhere. For Infirmary fees see page 49.

PHYSICAL EXAMINATIONS AND MEDICAL ADVICE

Medical Advisers and Examiners: Samuel Archer Munford, M.D.; Edith Matzke, M.D.; Helen W. Bull, M.D.; Frank C. Balderry, M.D.; Andrew J. Goodwin, M.D.; Robert L. McKiernan, M.D.

A physical examination is required of all students upon entering the University. The Medical Advisers observe regular office hours at their respective offices in the gymnasium for men and Sage College.

All students are at liberty and are urged, in cases of sickness or indisposition, to consult the Medical Advisers for a diagnosis of their ailments, to the end that they may be informed whether the further attention of a physician is necessary. When students are confined to their rooms, their house stewards or landlords are urged to communicate speedily with the Medical Advisers.

No charge is made for physical examinations or medical advice.

During the year 1915-16, the total number of calls at the offices of the Medical Advisers and Examiners exceeded eighteen thousand.

MILITARY SCIENCE AND TACTICS

The Professor of Military Science and Tactics at Cornell University is a commissioned officer of the United States Army. The department aims to train men so that they may become efficient company officers of infantry volunteer troops in time of war.

Every male student, a candidate for a baccalaureate degree, except in the College of Law,* who is required to take five, six, seven, eight or more terms in

*For modifications of these requirements in the case of Law students, see the Announcement of the College of Law.

residence, must take, in addition to the scholastic requirements for the degree, one, two, three, or four terms respectively, of three hours a week, in the Department of Military Science and Tactics.

The requirements in Military Science must be completed in the first terms of residence; otherwise the student will not be permitted to register again in the University, without the consent of the University Faculty.

The students are organized into companies and a band for a course of training prescribed by the War Department. This course includes physical training, military drill, and the application of fundamental principles of modern infantry tactics. During the second year qualified men may be given optional instruction in units specializing in signal corps, military engineering, and machine gun training. The band is both the cadet and university band. Students regularly enrolled in the Department may be assigned thereto for training, instead of to a company.

Any properly qualified member of the Cornell University Corps of Cadets who has satisfactorily passed the first year of his university course, may, on the recommendation of the Commandant, and the nomination of the President of the University, be commissioned as an officer by the University Faculty. The University provides pay, ranging from \$50 to \$250 annually, for each of the fifty-eight commissioned officers of the Corps of Cadets. In addition the senior officers are assistants in the Department.

Any student may elect drill during his entire course at the University.

Each cadet is required to have a uniform consisting of olive drab service coat, cap, breeches, woolen shirt, leggings, black tie, and web waist belt, made according to the specifications of the United States Army. These are at present furnished only by one contractor, maintaining an agent in Ithaca, at a cost to the individual of \$16. High tan shoes must be provided in addition, and the army last is recommended.

DEPARTMENT OF PHYSICAL CULTURE

Students who are officially relieved of the requirements of Military Science and Tactics are subject to the requirements of the Department of Physical Culture.

Every male student who is a candidate for a baccalaureate degree in the four year course is required to take two years of Physical Culture in case he is relieved of the requirements of the Department of Military Training.

Every woman student who is a candidate for a baccalaureate degree in a four year course, must take throughout the first two years of her course, two and a half actual hours a week in the Department of Physical Culture.

Every male student who is a candidate for a baccalaureate degree in a three year course is required to take one year of Physical Training in case he is relieved of the requirements of the Department of Military Training.

Every woman student who is a candidate for a baccalaureate degree in a three year course, must throughout the first year of her course, take two and a half actual hours a week in the Department of Physical Culture.

The requirements in regard to Physical Training must be completed by the end of the Sophomore year (i. e., two years before graduation); otherwise the student will not be permitted to register again in the University, without the consent of the University Faculty.

It is the desire of the University that physical exercise should prove interesting and attractive to all students, not merely to those of unusual physical ability who are attempting to become members of some of the organized athletic teams.

ATHLETICS

An athletic league exists among the various colleges of the University and a series of athletic contests is carried on throughout the year; all students in the University except the 'varsity athletes may participate in these. The games consist of cross-country running, association football, basketball, indoor athletics, baseball, track athletics, and rowing.

The playground and Schoellkopf athletic field cover fifty-five acres. They are within five minutes walk of the Quadrangle and are used as a general playground for baseball, soccer, lacrosse, tennis, etc.

The Armory and the Gymnasium are used for indoor athletic work during the winter months. The Intercollege boat house, situated on the Inlet, is used in the spring by the Intercollege crews. Women students have their separate Gymnasium, boat house, athletic field, etc.

All students who desire to train for athletic competitions are required to be examined by one of the medical examiners.

The University Faculty through its Committee on Student Affairs exercises jurisdiction over organized athletic teams and other recognized student organizations in respect of eligibility rules and leaves of absence.

ATHLETIC ASSOCIATION

The Cornell Athletic Association is an independent organization incorporated under the laws of the State of New York. Its board of trustees is composed of one representative from the Board of Trustees of Cornell University, and four from the faculties of the University, with one member at large, who together with representatives of the alumni and eight students representing officially the different branches of athletics, besides the representation of the undergraduate wearers of the "C," the representatives of the Minor Athletic Sports Association, and freshman representative constitute the Athletic Council. The Association owns Percy Field, the boats and boat houses, two gasoline launches, and other athletic equipment. The Association issues an annual membership ticket on the payment of \$10.00. The holders of these membership tickets are entitled to admission to every local athletic contest under the management of the Association, including all games of baseball, football, and track. Members are also entitled to first choice of reserved seats, and no reserved seat tickets for games or boat races are sold until the members of the Association have been supplied with the seats they require. No further subscription toward the support of athletics is solicited from holders of membership tickets. The Athletic Council is charged with the active management of the athletic interests of the University. The graduate manager is custodian of the funds belonging to the Association and to the various branches.

The Athletic Association has under its jurisdiction the part of Alumni Field set aside for Varsity athletics consisting of about twelve acres. That part of Alumni Field which is devoted to Varsity track athletics and football, is known as "Schoellkopf Field" and was equipped by members of the Schoellkopf family as a memorial to Jacob F. Schoellkopf; it contains a quarter-mile track, football gridiron and stadium, seating 9000 people, above which are two levels in which automobiles are parked.

Schoellkopf Memorial Building on Schoellkopf Field was erected by an alumnus of the University as a memorial to his friend, Henry Schoellkopf, A.B., '02. In this building are the dressing rooms for the Varsity athletic teams and the offices of the Cornell University Athletic Association. Bacon Practice Hall, also adjacent to Schoellkopf Field, contains a dirt floor and is used for baseball, track, football, soccer and lacrosse practices.

Percy Field, an athletic field, covering ten acres, is used for baseball only. It is hoped in the near future that funds may be raised to finish the part of Alumni Field adjacent to Schoellkopf Field, which has been set aside for the baseball diamond and stands to seat 6500 people.

The Athletic Association also has a boat house, shells, gigs, launches, etc., to use in the training of the Varsity crews, situated on the Inlet about one-half mile from Cayuga Lake.

Officers

Herman Diederichs.....	President
Charles Hazen Blood.....	Financial Adviser
G. Ervin Kent.....	Graduate Manager

Members

Charles Hazen Blood.....	Board of Trustees
Charles Edward Treman.....	At large

David Fletcher Hoy	Faculty
Eugene Plumb Andrews	Faculty
Willard Winfield Rowlee	Faculty
George Prentice Bristol	Faculty
G. Ervin Kent	Graduate Manager
Alma Wilford Richards	"C" Representative
Stewart Collins Wilson	Navy Manager
John L. Collyer	Crew Representative
John Gardiner Caldwell	Baseball Manager
	Baseball Captain
Walter Rowe Lalley	Football Manager
Lucien Wilbur Mueller	Football Captain
Charles Stuart Cooper	Track Manager
Frank Kent Foss	Track Captain
William Christopher Kreuzer	"Minor Sports" Representative
Samuel Thomas Brown	Freshman Representative

BENEFICIARY AND LOAN FUNDS

The following beneficiary and loan funds have been established, the income of which is available for the aid of deserving students in Cornell University. The amounts indicated are the totals of the respective funds on July 1, 1916.

Guiteau Student Loan Fund. Gifts under the wills of Frederick W. Guiteau and of Mrs. Nancy G. Howe (\$94,689.03), the income to be used in advancing and assisting needful, worthy young men in pursuing their studies in the University. Established 1904..... \$313,930.95

Agricultural Student Loan Fund. Founded by gift of the School of Practical Agriculture and Horticulture at Briarcliff, N. Y., to aid students in the Agricultural College who are working their way through, and increased by Agricultural students. Established 1908..... \$873.01

The Student Fund of the Cornell Club of Rochester. A loan of the annual value of \$200 as a maximum. Cornell University is not responsible for the award of this fund.

Florence Dearstyne Fund. Gift under the will of Miss Florence E. Dearstyne, the income to be used under the direction of the Federation of Cornell Women's Clubs in assisting needy young women students. Established 1914..... \$2,367.71

Polish Student Loan Fund. Gift from Polish students at Cornell to be disbursed to candidates presented by members of the Polish Club of the University. Established 1909..... \$128.00

Wm. C. Seidel Book Fund. Gift of Mr. and Mrs. Gerrit S. Miller, the income to be used to purchase books for poor young men working their way through the College of Civil Engineering. Established 1905..... \$1,165.16

State Scholarship Alumni Fund. The nucleus of a fund to assist needy students. Established in 1914 by the gift of G. W. Graves, A.B., 1905, M.D., 1908, of the equivalent of the state scholarship held by him..... \$401.00

Woman's Guild Fund. The gift of women interested in the University, the income to be used to aid needy sick students. Established 1892..... \$6,557.41

Women Students' Loan Fund. Consists of former Students' Loan Fund, the income to be loaned to needy women students, and increased in 1913 by \$7,000, temporarily assigned to the fund by Ex-President Andrew D. White from funds placed at his disposal by Trustee Andrew Carnegie..... \$21,971.86

Wurts Loan Fund. Gift of \$2,000 by Alexander Jay Wurts, in memory of his mother, the income to be loaned to students of Sibley College to "help lift the man's burden from the boy's shoulders." Additions by Sibley students. Established 1912..... \$2,267.74

PUBLICATIONS

The Cornell University Official Publication is issued monthly from July through November, and semi-monthly from December through June. It includes the annual Register, the Annual Report of the President, the Announcements of the various colleges, the General Circular of Information, and various departmental and other announcements. The Secretary of the University is the University Publisher.

The Philosophical Review, now in its twenty-sixth year, is a bimonthly journal edited by James E. Creighton, Professor of Logic and Metaphysics in the Sage School of Philosophy.

Cornell Studies in Classical Philology. This series, of which twenty numbers have been published, is edited by Charles E. Bennett, Goldwin Smith Professor of Latin and George P. Bristol, Professor of Greek.

The Journal of Physical Chemistry, now in its twenty-first year, is published monthly during the academic year by Wilder D. Bancroft, Professor of Physical Chemistry.

Cornell Studies in Philosophy. This series of monographs is issued under the editorial supervision of the professors of philosophy in the Sage School of Philosophy. Ten numbers have been published.

Icelandica, of which nine volumes have been published, is an annual relating to Iceland and to the Fiske Icelandic Collection in the Cornell University Library.

Cornell University Medical Bulletin and the **Publications of the Cornell University Medical College** contain studies from the various departments of the Medical College.

The Memoirs of the Cornell University Agricultural Experiment Station consist of the more technical bulletins of the Federal Experiment Station at Cornell University.

ASSOCIATE ALUMNI

By the charter of the University the graduates are entitled to elect two of the Board of Trustees each year. At a meeting called for the purpose and held on Wednesday, June 26, 1872, the day preceding the annual Commencement, representatives of all the classes that had graduated being present, the alumni formed an organization under the name of the Associate Alumni of Cornell University. The declared object of the association was to promote in every proper way the interests of the University and to foster among the graduates a sentiment of regard for each other and of attachment to their Alma Mater. On May 19, 1903, the Association was incorporated under the general laws of the State of New York.

By an amendment to the charter of the University, passed May 15, 1883, permitting members of the alumni, not present in person, to vote by written ballot at the annual election of trustees, the Treasurer of the University is required to keep "a registry of the signature and address of each alumnus." It is therefore important that each alumnus keep the Treasurer of the University informed of his full address (city, street, and number), and notify him immediately of any change.

The following ordinance was adopted by the Board of Trustees, October 24, 1888. All graduates of the first degree, in any of the departments of Cornell University, and all persons who have been admitted to any degree higher than the first in said University shall be alumni of said University, and as such be entitled to vote for alumni trustees under and in pursuance of the provisions contained in chapter 763 of the Laws of New York passed in 1867.

Officers and Committees for 1916-17

President—William Mitchell Irish, '90, 4704 Springfield Ave., Philadelphia, Pa.

Vice-Presidents—W. H. H. Hutton, jr., '92, 132 Clark Ave., Detroit, Mich.
Alice Henrietta Bruere, '95, 400 Riverside Dr., New York City.

Secretary—Robert Warren Sailor, '07, Box 105, Ithaca, N. Y.

Treasurer—Nicholas H. Noyes, '06, 1328 N. Delaware St., Indianapolis, Ind.

Alumni Recorder—H. A. Hitchcock, 31 Morrill Hall, Ithaca, N. Y.

Board of Directors

(Term expires in 1917.) Charles Gray Wagner, '80, Binghamton, N. Y.; William Mitchell Irish, '90, 4704 Springfield Ave., Philadelphia, Pa.; Lewis Leeds Tatum, '97, 621 Downer Ave., Milwaukee, Wis.; William Watts Macon, '98, 711 Ave. J., Brooklyn, N. Y.; William John Dugan, '07, 87 Erie Co. Bank Bldg., Buffalo, N. Y.

(Term expires in 1918). William Henry Harrison Hutton, jr., '91, 132 Clark Ave., Detroit, Mich.; Nicholas Herman Noyes, '06, 1328 N. Delaware St., Indianapolis, Ind.; Warren Greene Ogden, '01, 53 State St., Boston, Mass.; Ezra Bailey Whitman, '01, 1305 John St., Baltimore, Md.; William Chauncey

Geer, '02, 630 Diagonal Rd., Akron, Ohio; Alice Henrietta Bruere, '95, 400 Riverside Dr., New York City.

(Term expires in 1919.) John Luke Tiernon, jr., '95, White Bldg., Buffalo, N. Y.; William Reuben Webster, jr., '90, 208 Brooklawn Ave., Bridgeport, Conn.; Nicholas John Weldgen, '05, Wilder Bldg., Rochester, N. Y.; John Palliser Dods, '08, 59 E. Madison St., Chicago, Ill.; Robert Earl Coulsen, '09, 62 Cedar St., New York City.

Nominating Committee—(Term expires in 1917:) Eugene Charles Zeller, '00, 4320 Washington Ave., St. Louis, Mo.; Frank Crowl Robinson, '04, 3144 Passyunk Ave., Philadelphia, Pa.; Roscoe Claudius Edlund, '09, 401 Chamber of Commerce Bldg., Cleveland, Ohio. (Term expires in 1918:) John Nelson Ostrom, '77, 1403 Farmer's Bank Bldg., Pittsburgh, Pa.; Phillip Will, '00, 524 Oak St., Rochester, N. Y.; Julian Albert Pollak, '07, 625 E. Mitchell Ave., Cincinnati, Ohio. (Term expires in 1919:) Charles Leininger Bradley, '08, 706 Marion Bldg., Cleveland, Ohio; Charles Henry Tuck, '06, Agricultural College, Ithaca, N. Y.; Frederick Willis, '01, Library, Cornell University, Ithaca, N. Y.

Clubs and Associations with the Name and Address of the Secretary of Each General

THE ASSOCIATE ALUMNI OF CORNELL UNIVERSITY.—Robert Warren Sailor, Box 105, Ithaca, N. Y.

THE CORNELLIAN COUNCIL.—Harold Flack, 27 Morrill Hall, Ithaca, N. Y.

THE CORNELL ASSOCIATION OF CLASS SECRETARIES.—H. A. Hitchcock, 31 Morrill Hall, Ithaca, N. Y.

CORNELL SOCIETY OF CIVIL ENGINEERS.—Ernest A. Truran, 33 Lincoln Terrace, Yonkers, N. Y.

East

CORNELL CLUB OF NEW ENGLAND.—A. C. Blunt, jr., 354 Congress St., Boston, Mass.

CORNELL ALUMNI CLUB OF SPRINGFIELD.—N. E. Hildreth, 136 Washington Road, Springfield, Mass.

CORNELL ASSOCIATION OF CONNECTICUT.—William Van Kirk, Fairfield, Conn.

CORNELL UNIVERSITY ASSOCIATION OF NEW HAVEN.—Frank W. Hoyt, 161 York St., New Haven, Conn.

CORNELL UNIVERSITY CLUB OF NEW YORK.—Foster M. Coffin, 65 Park Ave., New York City.

CORNELL ASSOCIATION OF BROOKLYN.—Allen H. Colcord, 551 Second St., Brooklyn, N. Y.

EASTERN NEW YORK CORNELL ALUMNI ASSOCIATION.—George A. Mathers, 307 Main St., Bennington, Vt.

CORNELL ALUMNI ASSOCIATION OF SCHENECTADY.—C. L. Turner, General Electric Company, Schenectady, N. Y.

CORNELL ALUMNI ASSOCIATION OF NORTHERN NEW YORK.—George H. Hooker, 8 State St., Watertown, N. Y.

CORNELL CLUB OF OSWEGO COUNTY.—Charles W. Linsley, 52 East Utica St., Oswego, N. Y.

CORNELL CLUB OF HERKIMER COUNTY.—Fred D. McIntosh, Little Falls, N. Y.

CORNELL CLUB OF CENTRAL NEW YORK.—Donald Armstrong, S. A. & K. Bldg., Syracuse, N. Y.

CORNELL ALUMNI ASSOCIATION OF SENECA FALLS.—Ross W. Kellogg, Seneca Falls, N. Y.

CORNELL CLUB OF BINGHAMTON.—A. L. Gilmore, 1104 Press Bldg., Binghamton, N. Y.

CORNELL ALUMNI ASSOCIATION OF THE SOUTHERN TIER.—Harry Y. Iszard, Water and Baldwin Sts., Elmira, N. Y.

CORNELL CLUB OF UTICA.—Charles B. Mason, 30 Genesee St., Utica, N. Y.

CORNELL CLUB OF ROCHESTER.—James C. Bristol, 339 Powers Bldg., Rochester, N. Y.

CORNELL ALUMNI ASSOCIATION OF WESTERN NEW YORK.—Arthur J. Adler, 712 Erie County Bank Bldg., Buffalo, N. Y.

NIAGARA FALLS ALUMNI ASSOCIATION.—Frederick L. Lovelace, 730 Main St., Niagara Falls, N. Y.

CORNELL ALUMNI ASSOCIATION OF OTSEGO COUNTY.—L. E. Johnson, Pres., Richfield Springs, N. Y.

CORNELL ALUMNI ASSOCIATION OF JAMESTOWN, N. Y.—Charles H. Wiborg, Fenton Bldg., Jamestown, N. Y.

CORNELL ALUMNI CLUB OF OSSINING.—E. C. M. Stahl, 74 S. Highland Ave., Ossining, N. Y.

CORNELL UNIVERSITY CLUB OF DUTCHESS COUNTY.—S. H. Hall, 87 S. Cherry St., Poughkeepsie, N. Y.

CORNELL CLUB OF NORTHERN NEW JERSEY.—H. Ezra Eberhardt, Mountain View Terrace, Maplewood, N. J.

CORNELL CLUB OF PHILADELPHIA.—Herbert R. Cox, 1519 Sansom St., Philadelphia, Pa.

NORTHEASTERN PENNSYLVANIA ASSOCIATION.—Seth W. Shoemaker, 827 Electric St., Scranton, Pa.

CORNELL CLUB OF WESTERN PENNSYLVANIA.—K. W. Gass, 125 Stratford Ave., Pittsburgh, Pa.

LUZERNE COUNTY CORNELL CLUB.—E. B. Wagner, 15 N. Franklin St., Wilkes-Barre, Pa.

CORNELL ASSOCIATION OF CENTRAL PENNSYLVANIA.—E. M. Deeter, P. O. Box 586, Harrisburg, Pa.

CORNELL UNIVERSITY ASSOCIATION OF DELAWARE.—Alfred D. Warner, jr., 1503 West 14th St., Wilmington, Del.

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CORNELL ASSOCIATION OF MARYLAND.—Walter G. Distler, 2905 N. Calvert St., Baltimore, Md.

CORNELL CLUB OF WASHINGTON.—Horace W. Peaslee, 1504 H St., Washington, D. C.

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AKRON CORNELL ASSOCIATION.—W. S. Voris, care B. F. Goodrich Co., Akron, Ohio.

CORNELL ALUMNI ASSOCIATION OF CENTRAL OHIO.—W. J. Armstrong, Jeffrey Mfg. Co., Columbus, Ohio.

CORNELL CLUB OF CINCINNATI.—Max H. Thurnauer, 3891 Reading Road, Cincinnati, Ohio.

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THE CORNELL CLUB OF ST. LOUIS.—Theodore White, 411 Olive St., St. Louis, Mo.

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LOGAN CORNELL CLUB.—E. G. Peterson, Logan, Utah.

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CORNELL UNIVERSITY CLUB OF NORTHERN CALIFORNIA.—S. W. Foster, 201 Sansome St., San Francisco, Cal.

CORNELL UNIVERSITY CLUB OF SOUTHERN CALIFORNIA.—T. K. Gally, 105 W. 4th St., Los Angeles, Cal.

Foreign and Insular

CORNELL ALUMNI ASSOCIATION OF FRANCE.—A. D. Weil, 10 rue Ste., Cecile, Paris, France.

CORNELL CLUB OF HAWAII.—H. A. R. Austin, 20 Kapiolani Bldg., Honolulu, T. H.

CORNELL ALUMNI ASSOCIATION OF THE PHILIPPINE ISLANDS.—Abraham Gideon, City Hall, Manila, P. I.

CORNELL CLUB OF NORTH CHINA.—Y. S. Djang, Tientsin, China.

THE CORNELL ASSOCIATION OF EASTERN CANADA.—W. H. Wardwell, 413 New Birks Bldg., Montreal, Can.

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ALBANY.—Miss Emily D. Martin, 380 Hamilton St., Albany, N. Y.

BAY CITIES OF CALIFORNIA.—Mrs. Walter Mulford, 1619 Spruce St., Berkeley, Cal.

BOSTON.—Mrs. Harry M. Varrell, 37 Concord Ave., Cambridge, Mass.

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CHICAGO.—Miss Margaret Aherne, 539 Madison St. Gary, Ind.

CLEVELAND.—Miss F. Rosenthal, 10209 South Boulevard, Cleveland, Ohio.

ITHACA.—Miss Rebecca Harris, Kelvin Pl., Ithaca, N. Y.

NEW YORK.—Miss Sarah Barclay, 174 Prospect Park West, Brooklyn, N. Y.

PHILADELPHIA.—Miss Edith Loux, 5235 Catherine St., Philadelphia, Pa.

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ROCHESTER.—Miss Eleanor Gleason, 15 Portsmouth Terrace, Rochester, N. Y.

TROY.—Miss Frances McTammany, 170 1st St., Troy, N. Y.

UTICA.—Miss K. A. Donlon, 1323 Seymour Ave., Utica, N. Y.

WASHINGTON.—Miss Anne E. Draper, Bureau of Chemistry, Washington, D. C.

WATERVLIET.—Miss Anna W. Fogarty, 1926 23 St., Watervliet, N. Y.

WORCESTER.—Mrs. Harold B. Smith, 20 Trowbridge Road, Worcester, Mass.

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The Cornellian Council was founded several years ago by the Alumni of Cornell University for the definite purpose of cultivating and stimulating among

Cornell Alumni the habit of giving to the University. It was founded at a time when the University was greatly in need of additional income for operating expenses, for salaries of professors and instructors, for the building of dormitories, and for various other purposes.

The founders had in mind the idea of doing away with indiscriminate solicitation of the Alumni for various University purposes and of having all appeals for the University's needs made by one organization vested with authority. The wisdom of this plan is now acknowledged by the Faculty and Trustees as well as by the Alumni. In this way small gifts to the University are made valuable by reason of their large number and solidarity of purpose, and at the same time an interest is created, which can be created in no other way.

The larger part of the gifts of the Alumni to the Alumni Fund are unrestricted and are available for appropriation by the Trustees where most needed. Gifts to the University through the Alumni Fund may be specifically ear-marked for a special purpose and when so ear-marked are used for that purpose only.

The membership of the Cornellian Council, with which is intrusted the promotion and collection of the Alumni Fund, is made up of one representative from each class and twenty members at large elected by the Council, thus making it a truly representative Alumni body. Payments of all subscriptions to the Alumni Fund are made by checks payable to "Cornell University." These checks as soon as received by the Secretary of the Council are immediately turned over to the Treasurer of the University. From time to time sums are appropriated by the Trustees for the most vital needs of the University.

In the brief existence of the Cornellian Council, more than 3,000 Cornellians have contributed to the Alumni Fund, and nearly \$100,000 has been placed at the disposal of the Board of Trustees. The larger part of this sum has been used to provide increases in the salaries of professors and teachers, some of whom would otherwise have been lost to the University, and toward the cost of construction of Founders Hall. These represent two of the University's greatest needs. A part of the fund has also been used for University operating expenses and to help pay for a valuable piece of land adjoining Beebe Lake.

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Charles S. Harmon, '75, 1205 First National Bank Building, Chicago, Ill.

Jeremiah K. Cady, '76, 172 Washington St., Chicago, Ill.

Charles W. Wason, '76, 9209 Euclid Ave., Cleveland, O.

1877—Merritt E. Haviland, 32 Nassau St., New York City.

1878—Mrs. Bessie DeW. Beahan, 2213 Bellfield Ave., Cleveland, Ohio.

1879—Calvin Tomkins, 30 Church St., New York City.

1880—Hosea Webster, 85 Liberty St., New York City.

1881—Ira A. Place, Grand Central Terminal, New York City.

1882—Dr. Herbert D. Schenck, 75 Halsey St., Brooklyn, N. Y.

- 1883—Franklin Matthews, Columbia School of Journalism, New York City.
- 1884—Henry J. Patten, 220 Western Union Building, Chicago, Ill.
- 1885—Robert J. Eidlitz, 30 East 42d St., New York City.
- 1886—Elias A. deLima, Battery Park National Bank, New York City.
- 1887—George C. Miller, 1012 Fidelity Building, Buffalo, N. Y.
- 1888—Albert E. Metzger, 1508 Broadway, Indianapolis, Ind.
- 1889—Leon Stern, 1017 Chamber of Commerce Building, Rochester, N. Y.
- 1890—Daniel Upton, State Normal School, Buffalo, N. Y.
- 1891—Clarence A. Snider, 17 Battery Pl., New York City.
- 1892—Robert T. Mickle, 430 W. Stafford St., Germantown, Philadelphia, Pa.
- 1893—E. Vail Stebbins, 42 Broadway, New York City.
- 1894—Edwin P. Young, Towanda, Pa.
- 1895—Woodford Patterson, Ithaca, N. Y.
- 1896—William W. Ricker, 90 West St., New York City.
- 1897—Francis O. Affeld, jr., 141 Broadway, New York City.
- 1898—John Joseph Kuhn, 115 Broadway, New York City.
- 1899—Edward L. Stevens, jr., 154 Nassau St., New York City.
- 1900—Arthur P. Bryant, 50 Congress St., Boston, Mass.
- 1901—John Lawson Senior, 246 Wildwood Ave., Jackson, Mich.
- 1902—Maurice Whinery, 7 Laight St., New York City.
- 1903—Raymond P. Morse, Jay and Water Sts., Brooklyn, N. Y.
- 1904—Harland B. Tibbetts, 37 Wall St., New York City.
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- 1908—William G. Mennen, 42 Orange St., Newark, N. J.
- 1909—Robert E. Coulson, 62 Cedar St., New York City.
- 1910—Russell B. Hurlburt, 115 Broadway, New York City.
- 1911—Edwin E. Sherdian, Chicago Car Adv. Co., Chicago, Ill.
- 1912—Finis E. Yoakum, jr., 140 E. Ave., 59, Los Angeles, Cal.
- 1913—George H. Rockwell, 136 Broadway, Cambridge, Mass.
- 1914—Thomas B. Crews, Washington Hotel, St. Louis, Mo.
- 1915—Thomas Francis Keating, jr., 11 East 87 St., New York City.
- 1916—Weyland Pfeiffer, care W. R. Grace & Co., Hanover Sq., New York City.

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- Edwin N. Sanderson, '87, 60 Broadway, New York City.
- Walter P. Cooke, '91, 1330 Marine Bank Bldg., Buffalo, N. Y.
- George W. Bacon, '92, 115 Broadway, New York City.
- Randall J. LeBoeuf, '92, Albany Trust Bldg., Albany, N. Y.
- Edward S. Sanderson, '94, 115 Buckingham St., Waterbury, Conn.
- Alice H. Bruere, '95, 400 Riverside Dr., New York City.
- James K. Fraser, '97, 11th Floor, 95 Madison Ave., New York City.
- Kelton E. White, '00, 303 N. 4th St., St. Louis, Mo.
- Edward R. Alexander, '01, 825 Garfield Bldg., Cleveland, O.
- Katherine R. Buckley, '01, Room 942, 233 Broadway, New York City.

William Metcalf, jr., '01, 1410 H. W. Oliver Bldg., Pittsburgh, Pa.
Willard D. Straight, '01, 23 Wall St., New York City.
George D. Crofts, '01, Third National Bank Bldg., Buffalo, N. Y.
Ezra B. Whitman, '01, American Bldg., Baltimore, Md.
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Donald R. Cotton, '05, 1405 Pioneer Bldg., St. Paul, Minn.
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Clark S. Northup, '93, 407 Elmwood Ave., Ithaca, N. Y.
Harry A. Hitchcock, '00, 31 Morrill Hall, Ithaca, N. Y.

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1873—Edwin Gillette, 304 N. Geneva St., Ithaca, N. Y.
1874—John Henry Comstock, Roberts Place, Ithaca, N. Y.
1875—Henry Woodward Sackett, Tribune Bldg., New York City.
1876—Daniel Franklin Flannery, 1200 Westminster Bldg., Chicago, Ill.
1877—William Ogdon Kerr, 111 Oak Ave., Ithaca, N. Y.
1878—Willard Beahan, 2213 Bellfield Ave., Cleveland, Ohio.
1879—Calvin Tomkins, 17 Battery Place, New York City.
1880—Addison Delavan Merry, 706 Dillaye Memorial Bldg., Syracuse, N. Y.
1881—Henry Hiram Wing, 3 Reservoir Ave., Ithaca, N. Y.
1882—Norton Townshend Horr, 1518 Williamson Bldg., Cleveland, O.
1883—Franklin Matthews, Columbia School of Journalism, New York City.
1884—Henry Pelouse de Forest, 59 West 54 St., New York.
1885—Edward Herman Bostwick, 402 N. Geneva St., Ithaca, N. Y.
1886—Luzerne Coville, 514 East Buffalo St., Ithaca, N. Y.
1887—Veranus Alva Moore, 914 E. State St., Ithaca, N. Y.
1888—Willard Winfield Rowlee, 11 East Ave., Ithaca, N. Y.
1889—Henry Neely Ogden, 614 University Ave., Ithaca, N. Y.
1890—Charles James Miller, Newfane, N. Y.
1891—Willard Austen, Cornell University Library, Ithaca, N. Y.
1892—Charles Dibble Bostwick, 803 E. Seneca St., Ithaca, N. Y.
1893—Clark Sutherland Northup, 407 Elmwood Ave., Ithaca, N. Y.
1894—Elmer Ellsworth Bogart, 1125 Boston Road, Bronx, New York City.
1895—William Fitch Atkinson, 44 Court St., Brooklyn, N. Y.
1896—George Solomon Tompkins, P. O. Box 343, Albany, N. Y.
1897—George Nieman Lauman, College of Agriculture, Ithaca, N. Y.
1898—Jesse Fuller, jr., Sparks & Fuller, Temple Bar Bldg., Brooklyn, N. Y.
1899—Charles Crawford Whinery, 108 Carnegie Ave., East Orange, N. J.
1900—George Harper Young, 93 Main St., Binghamton, N. Y.
1900—Mrs. M. H. Kingsbury (for women), 2 South Ave., Ithaca, N. Y.
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1902—William John Norton, Room 1514, 111 W. Monroe St., Chicago, Ill.
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1903—Raymond Parmlee Morse, 166 Gates Ave., Brooklyn, N. Y.

- 1904—Cecil Jarvis Swan, 820 S. Michigan Ave., Chicago, Ill.
 1904—Dr. Mary Crawford (for women), 100 E. 17th St., New York City.
 1905—Harold Jay Richardson, 131 Dayan St., Lowville, N. Y.
 1906—Charles Henry Tuck, Agricultural College, Ithaca, N. Y.
 1907—Antonio Lazo, Parkinson & Burr, 7 Wall St., New York City.
 1908—Seth Whitney Shoemaker, 827 Electric St., Scranton, Pa.
 1909—Robert Elias Treman, 411 University Ave., Ithaca, N. Y.
 1909—Mrs. R. W. Sailor (for women), 117 Oak Ave., Ithaca, N. Y.
 1910—Andrew Joseph Whinery, 810 Broad St., Newark, N. J.
 1910—Miss Olive Whitson (for women), Hudson Guild, 436 W. 27th St., New York City.
 1911—James Edward Oliver Winslow, The New York Herald, New York City.
 1911—Miss Clara Vivian Braymer (for women), Granville, N. Y.
 1912—Ross William Kellogg, 509 N. Cayuga St., Ithaca, N. Y.
 1912—Mrs. Mabel DeForest Starkweather (for women), 336 Van Houten Ave., Passaic, N. J.
 1913—George Helm Rockwell, 748 Maine St., Cambridge, Mass.
 1913—Miss Sophie M. Becker (for women), 502 N. Calhoun St., Baltimore, Md.
 1914—Heber Wallace Peters, 28 Willis East, Detroit, Mich.
 1914—Mrs. Howard Teall (for women), Sodus, N. Y.
 1915—Robert Whitman White, 102 Waverly Pl., New York City.
 1915—Miss Sarah Barclay (for women), 174 Prospect Park West, Brooklyn, N. Y.
 1916—Weyland Pfeiffer, Scarsdale, N. Y.
 1916—Miss Katherine Lyon (for women), 31 Morrill Hall, Ithaca, N. Y.
MED. COLL.—William Henry Cantle, Mamaroneck, N. Y.
 Nan Gilbert Seymour (for women), 129 E. 17th St., New York City.

HONORARY MEMBERS

- President Jacob Gould Schurman, Ithaca, N. Y.
 Registrar David Fletcher Hoy, '91, Ithaca, N. Y.
 Woodford Patterson, '96, Ithaca, N. Y.
 Franklin Matthews, President Cornellian Council.
 William Mitchell Irish, President Associate Alumni.
 Thomas F. Crane, Ithaca, N. Y.

CLASS MEMORIALS

- CLASS OF 1872:**—Seventy-two Elm Trees bordering President's Avenue and northern half of East Avenue.
CLASS OF 1873:—Drinking Fountain in front of McGraw Hall.
CLASS OF 1878:—The Class Pipe.
CLASS OF 1879:—Bronze Tablet containing bust of Bayard Taylor in Sage Chapel.
CLASS OF 1883:—Portrait of Professor William Dexter Wilson, D.D., LL.D. in the University Library.
CLASS OF 1884:—Portrait of Professor Charles Chauncey Shackford, A.M. in the University Library.
CLASS OF 1885:—Statue of Augustus Cæsar in the Museum of Casts.
CLASS OF 1886:—The '86 Memorial Prize in Junior Oratory.
CLASS OF 1890:—Cornell Boat House.

- CLASS OF 1891:—The '91 Memorial Fund subject to class action.
- CLASS OF 1892:—The Witherbee Memorial Club House at Percy Field.
- CLASS OF 1893:—The Interscholastic League Prizes in Athletics.
- CLASS OF 1894:—The '94 Memorial Prize in Debate.
- CLASS OF 1895:—The Henley Shell.
- CLASS OF 1896:—Gift toward the establishment of a University Club.
- CLASS OF 1897:—Gift toward the establishment of a University Club.
- CLASS OF 1898:—Gift toward the establishment of a University Club.
- CLASS OF 1898 (College of Law):—Carved oak seat in Boardman Hall.
- CLASS OF 1899:—Gift toward the establishment of an Alumni Hall.
- CLASS OF 1900:—Gift toward the establishment of an Alumni Hall.
- CLASS OF 1901:—Gift toward the establishment of an Alumni Hall.
- CLASS OF 1902:—Gift toward the establishment of an Athletic Field.
- CLASS OF 1903:—Gift toward the establishment of an Athletic Field.
- CLASS OF 1903 (College of Law):—Portraits of Justice Rufus W. Peckham and Joseph H. Choate.
- CLASS OF 1904:—Gift toward an Endowment Fund.
- CLASS OF 1904 (College of Law):—Portraits of James C. Carter and Elihu Root.
- CLASS OF 1905:—Gift toward the establishment of an Alumni Hall.
- CLASS OF 1905 (College of Law):—Portraits of Abraham Lincoln and Thomas M. Cooley.
- CLASS OF 1906:—Gift toward an Endowment Fund.
- CLASS OF 1906 (College of Law):—Portrait of Justice Joseph W. Story.
- CLASS OF 1907:—Gift toward an Endowment Fund.
- CLASS OF 1907 (College of Law):—Portrait of Governor Charles E. Hughes.
- CLASS OF 1908:—Gate for Alumni Field.
- CLASS OF 1908 (College of Law):—Oak seat in Boardman Hall.
- CLASS OF 1909:—Gift toward an Endowment Fund.
- CLASS OF 1910:—Gift toward an Endowment Fund.
- CLASS OF 1910 (College of Law):—Portrait of James Barr Ames.
- CLASS OF 1911:—Gift toward an Endowment Fund.
- CLASS OF 1911 (College of Law):—Portrait of Chief Justice White.
- CLASS OF 1912:—Gift toward an Endowment Fund.
- CLASS OF 1912 (College of Law):—Portrait of Professor William Albert Finch.
- CLASS OF 1913:—Gift toward an Endowment Fund.
- CLASS OF 1914:—Gift toward an Endowment Fund.
- CLASS OF 1915:—Gift toward an Endowment Fund.
- CLASS OF 1916:—Gift toward an Endowment Fund.

CORNELL UNIVERSITY SUMMER SESSION

July 6—August 16, 1916

OFFICERS

Jacob Gould Schurman, LL.D., President of the University.
George Prentice Bristol, A.M., Director of the Summer Session.
David Fletcher Hoy, M.S., Registrar of the University.

STAFF OF INSTRUCTION

Arthur Augustus Allen, Ph.D., Assistant Professor of Zoology.	Zoology
Ross Peter Anderson, Ph.D., Assistant Professor in Chemistry.	Chemistry
Ruth Atkinson, Supervisor of Physical Training, Normal School, Kent, Ohio.	Physical Education
Elmer J. Bailey, Ph.D., Instructor in English.	English
Dane Lewis Baldwin, M.A., Instructor in English.	English
William C. Ballard, M.E., Instructor in Engineering.	Music
Homer Guy Bishop, M.A., Assistant in Psychology.	Psychology
Ernest Blaker, Ph.D., Assistant Professor of Physics.	Physics
Albert William Bœsche, Ph.D., Professor of German.	German
Edwin Garrigues Boring, Ph.D., Instructor in Psychology.	Psychology
Julian Pleasant Bretz, Ph.D., Professor of American History.	History and Government
George Prentice Bristol, A.M., Professor of Greek.	Linguistics
Leslie Nathan Broughton, Ph.D., Instructor in English.	English
Thomas Benjamin Brown, A.B., Instructor in Physics.	Physics
Arthur Wesley Browne, Ph.D., Professor of Chemistry.	Chemistry
Laura Bryant, Director of Music, Ithaca Public Schools.	Music
William Benjamin Buck, Assistant in Wood Shop.	Manual Training
Earle Nelson Burrows, C.E., Assistant Professor of Civil Engineering.	Engineering
Walter Butterfield, Director of Music, Manchester, N. H.	Music
Walter Buckingham Carver, Ph.D., Assistant Professor of Mathematics.	Mathematics
Emile Monnin Chamot, Ph.D., Professor of Sanitary Chemistry and Toxicology.	Chemistry and Toxicology
Hamlin E. Cogswell, Mus. M., Director Normal Conservatory of Music, Indiana, Pa.	Music
William Wistar Comfort, Ph.D., Professor of Romance Languages.	French and Spanish
Jesse H. Coursault, Ph.D., Professor of Education.	Education
Hollis Dann, Mus.D., Professor of Music.	Music
Hermann C. Davidsen, Ph.D., Assistant Professor of German.	German
Alexander M. Drummond, A.M., Instructor in Public Speaking.	Public Speaking
Charles Love Durham, Ph.D., Professor of Latin.	Latin
Archibald M. Erskine, B.Chem., Assistant in Chemistry.	Chemistry
Ellsworth David Elston, A.B., Instructor in Physical Geography.	Physical Geography
Georgia Everest, Supervisor of General Art, Pratt Institute, Brooklyn.	Drawing and Art
William Silliman Foster, Ph.D., Instructor in Psychology.	Psychology
David Kennedy Fraser, M.A., Assistant Professor of Education.	Education
Jean Marius Gelas, Instructor in Fencing.	Physical Training
Frederick R. Georgia, B.Chem., Assistant in Chemistry.	Chemistry
Roswell Clifton Gibbs, Ph.D., Assistant Professor of Physics.	Physics
David Clinton Gillespie, Ph.D., Assistant Professor of Mathematics.	Mathematics
J. Earl Griffith, Head of Department of Drawing and Art, Central High School, Newark, N. J.	Drawing and Art
Clarence Walter Ham, M.E., Assistant Professor of Machine Design.	Industrial Education
William H. Hoerrner, Professor of Music, Colgate University.	Music
Leroy Hooper, Foreman of Pattern Shop.	Manual Training
Merton Jerome Hubert, M.A., Instructor in Romance Languages and Literatures, University of Cincinnati.	French
Helen Allen Hunt, Teacher of Music, Boston, Mass.	Music

Wallie Abraham Hurwitz, Ph.D., Assistant Professor of Mathematics.	Mathematics
Arthur L. Janes, A.M., Head of Latin Department, New Utrecht High School, New York City.	Latin
Arthur Edward Johnstone, Teacher of Music, New York City.	Music
Johannes B. E. Jonas, Ph.D., Head of German Department, DeWitt Clinton High School, New York City.	German
Ralph Hayward Keniston, Ph.D., Assistant Professor of Romance Languages.	Spanish
Dexter Simpson Kimball, M.E., Professor of Machine Design and Industrial Engineering.	Industrial Education
William Kirk, M.A., Assistant in Chemistry.	Chemistry
Ernest R. Krøger, Teacher of Music, St. Louis, -Mo.	Music
Joseph Peter Koller, B.Chem., Assistant in Chemistry.	Chemistry
Thomas W. Lingle, Ph.D., Professor of Modern Languages, Davidson College.	South America
Gustav Ernst Lundell, Ph.D., Assistant Professor of Chemistry.	Chemistry
William Edward Lunt, Ph.D., Professor of Modern European History.	European History
Joseph V. McKelvey, Ph.D., Instructor in Mathematics.	Mathematics
Samuel Arthur Mahood, M.A., Instructor in Chemistry.	Chemistry
James Frederick Mason, Ph.D., Professor of Romance Languages.	French
Edith H. Matzke, M.D., Medical Adviser of Women.	Hygiene
Daniel Chauncey McCoy, Assistant in Chemistry.	Chemistry
Victor Elvert Monnett, A.B., Instructor in Geology.	Geology
Benton Sullivan Monroe, Ph.D., Assistant Professor of English.	English
Guy Brooks Muchmore, A.B., Assistant Professor of Public Speaking.	Public Speaking
Bertyne NeCollins, Teacher of Singing, New York City.	Music
William Ridgley Orndorff, Ph.D., Professor of Organic and Physiological Chemistry.	Chemistry
Frederick William Owens, Ph.D., Instructor in Mathematics.	Mathematics
Miles Albion Pond, Ph.B., Assistant Professor of Civil Engineering.	Descriptive Geometry
Paul Russel Pope, Ph.D., Professor of German.	German
Frederick Clarke Prescott, A.B., Assistant Professor of English.	English
Laurence Pumpelly, Ph.D., Assistant Professor of Romance Languages.	French
James T. Quarles, A. A. G. O., University Organist.	Music
Arthur Benning Ray, M.A., Assistant in Chemistry.	Chemistry
Hugh Daniel Reed, Ph.D., Assistant Professor of Zoology.	Zoology
Ernest William Rettger, Ph.D., Assistant Professor of Applied Mechanics.	Mechanics
Fred Hoffmann Rhodes, Ph.D., Instructor in Chemistry.	Chemistry
Floyd Karker Richtmyer, Ph.D., Assistant Professor of Physics.	Physics
Guillermo Rivers, A.M., Instructor in Spanish, Harvard University.	Spanish
Burton T. Scales, M.A., Director of Music, Girard College.	Music
Francis Joseph Seery, B.M.S., Assistant Professor of Civil Engineering.	Hydraulics
Albert R. Shadle, A.M., Assistant in Zoology.	Zoology
Francis Robert Sharpe, Ph.D., Assistant Professor of Mathematics.	Mathematics
John Sandford Shearer, Ph.D., Professor of Physics.	Physics
Alice Sheffer, Principal Fall Creek School, Ithaca.	Music
Henry A. Sill, Ph.D., Professor of Ancient History.	History
Francis W. Sherwood, M.S., Assistant in Chemistry.	Chemistry
Louis L. Silverman, Ph.D., Instructor in Mathematics.	Mathematics
Virgil Snyder, Ph.D., Professor in Mathematics.	Mathematics
Ardra Soule, A.B., Teacher of Physical Training, Hingham, Mass.,	Physical Education
Stella Stark, Director of Music, State Normal School, Buffalo, N. Y.	Music
James Sullivan, Ph.D., Principal Boys' High School, Brooklyn, N. Y.	History and Education
John Roscoe Turner, Ph.D., Assistant Professor of Economics.	Economics
Elizabeth Undritz, A.M., Teacher of German, Central High School, Newark.	German
Leonard C. Urquhart, C.E., Instructor in Civil Engineering.	Engineering
Abbott Payson Usher, Ph.D., Assistant Professor of Economics.	Economics
James Elijah Vanderhoef, Foreman in Foundry.	Manual Training
Oscar Diedrich von Engeln, Ph.D., Assistant Professor of Physical Geography.	Geography
Albert Edward Wells, Assistant Professor of Machine Construction.	Industrial Education
Thomas Whitney Benson Welsh, Ph.D., Instructor in Chemistry.	Chemistry
Bernice White, Instructor in Music, Normal College, New York City.	Music

Harry Elmsley Wood, Director of Manual Training, Indianapolis, Ind.	Industrial Education
William K. Wright, Ph.D., Instructor in Philosophy.	Philosophy
Allyn Abbott Young, Ph.D., Professor of Economics and Finance.	Economics
Wesley Daniel Zinnecker, Ph.D., Instructor in German.	German

The members of the Faculty of the College of Agriculture giving instruction in the Summer Session are listed on page 211.

There are no academic requirements for admission to the Summer Session. Each student must however satisfy the instructor in charge of a course (unless it is elementary) that he is qualified to undertake the work of the course.

Credit toward an undergraduate degree may be obtained only by students regularly registered in one of the colleges of Cornell University. For credit toward the degree A.B., see page 78; for credit toward other undergraduate degrees, see the announcements of the respective courses in the Summer Session.

Students of the Summer Session who are not matriculated in the University may receive certificates of attendance and of work satisfactorily performed.

For the conditions under which graduate work may be pursued during the Summer Session, see page 51.

The tuition for the Summer Session is \$30. Tuition is free to students from New York State if all of their work is in subjects taught in the College of Agriculture; if any of their work is outside of the College of Agriculture, they must pay the regular tuition fee of \$30.

The residential halls, the libraries, and the Infirmary are open during the Summer Session.

COURSES OF INSTRUCTION

EDUCATION

- A. Principles of Education. Professor COURSAULT. Daily except Sat., 10. Credit, two hours.
 - B. History of Education. Professor COURSAULT. Daily except Sat., 11. Credit, two hours.
 - C. Educational Psychology. Assistant Professor FRASER. Daily except Sat., 8. Credit, two hours.
 - D. School Hygiene. Credit, two hours. Assistant Professor FRASER. Daily except Sat., 9. Credit, two hours.
 - [E. Mental and Physical Tests of School Children.] Not given in 1916.
 - F. High School Education and Administration. Daily except Sat., 10. Principal SULLIVAN.
 - H. Industrial Education. Professor KIMBALL and others. Daily except Sat., 12. For full statement of this course see page 16.
 - K. Hygiene. Daily at hours to be arranged. Dr. MATZKE.
 - L. Physical Education for Women. Daily by appointment. Miss ATKINSON and Miss SOULE.
 - M. Physical Education—Swimming and Fencing.
- For this instruction a special charge is made: for swimming, \$10; for fencing, \$5, including outfit. Mr. GELAS.

DEPARTMENT COURSES FOR TEACHERS

I. Education

- H. Problems of Industrial Education. Daily except Sat., 12-1. Professor KIMBALL and others.

II. Handwork

- 2. Manual Training for the Lower Grades. Daily except Sat., 2-4. Mr. WOOD.
- 3. Wood Work for the Elementary Schools. Daily, 8-11. Mr. HOOPER.
- 4. Wood Working for Secondary Schools. Daily except Sat., 2-5. Mr. HOOPER.
- 5. Shop Lectures and Conferences. T Th, 4-5. Mr. WOOD.
- 6. Foundry Work for Secondary and Trade Schools. Mr. VANDERHOEF.
- 7. Forging for Secondary and Trade Schools.
- 8. Machine Work for Secondary and Trade Schools. Mr. WELLS and Mr. BUCK.

III. Drawing and Art Training

- 9. Freehand Drawing for Elementary and Secondary Schools. Daily except Sat., 9-12. Credit two hours. Mr. GRIFFITH and Miss EVEREST.
- 9a. Design, Fine and Applied Art. Daily except Sat., 8-11. University credit, two hours. Mr. GRIFFITH and Miss EVEREST.
- 10. Mechanical Drawing for Secondary Schools. Assistant Professor HAM.

PSYCHOLOGY

- A. Introduction to Psychology. Credit, two hours. Daily except Sat., 9. Dr. POSTER.
- B. The Psychology of Memory and Learning. Credit, one hour. T Th, 11. Dr. POSTER.
- C. The Psychology of the Unusual Mind. Credit, one hour. M W F, 11. Dr. BORING.
- D. Introductory Laboratory. Credit, two hours. M W F, 2.00-4.30. Drs. POSTER and BORING, and Mr. BISHOP.
- E. Quantitative Laboratory. Credit, two hours. M W F, 2.00-4.30. Drs. POSTER and BORING, and Mr. BISHOP.
- F. Advanced Work in Psychology. Hours and credit to be arranged. Drs. POSTER and BORING.

PHILOSOPHY

- A. History of Modern Philosophy. Daily except Sat., 9. Credit, two hours. Dr. WRIGHT.
- [B. Philosophy and Psychology of Religion. Daily except Sat. Credit, two hours.] Not given in 1916.
- C. Practical Problems in Social and Political Morals. Daily except Sat., 12. Credit, two hours. Dr. WRIGHT.

ENGLISH

- A. Composition. Daily except Sat., 8. Credit, two hours. Mr. BALDWIN.
- B. Introductory Course in Literature. Daily except Sat., 10. Credit, two hours. Dr. BROUGHTON.
- C. Shakespeare. Daily except Sat., 9. Credit, two hours. Mr. BALDWIN.
- D. Modern English Grammar. M W F, 8. Credit, one hour. Dr. BAILEY.
[Nineteenth Century Poets.] Not given in 1916.
- E. Wordsworth and Coleridge. Daily except Sat., 12. Credit, two hours. Dr. BROUGHTON.
- F. Advanced Composition. Daily except Sat., 9. Credit, two hours. Assistant Professor MONROE.
- G. Nineteenth Century Prose. Daily except Sat., 9. Credit two hours. Assistant Professor PRESCOTT.
- H. Teachers' Course. Daily except Sat., 11. Credit, two hours. Dr. BAILEY.
- J. The English Language. Daily except Sat., 10. Credit, two hours. Assistant Professor MONROE.
- K. American Literature. Daily except Sat., 12. Credit, two hours. Dr. BAILEY.
- L. Poetry and Versification. Daily except Sat., 11. Credit, two hours. Assistant Professor PRESCOTT.

PUBLIC SPEAKING—ORAL ENGLISH

- A. Public Speaking. Daily except Sat., 11. Credit, two hours. Mr. DRUMMOND.
- B. Voice Training. Daily except Sat., 8. Credit, one or two hours. Assistant Professor MUCHMORE.
- D. Oral Reading. Daily except Sat., 10. Credit, two hours. Assistant Professor MUCHMORE.
- E. The Production of School Plays. M W F, 9. Credit, one hour. Mr. DRUMMOND.

FRENCH

- A. First Year French. Daily except Sat., 8 and 12. Professor MASON. University credit, four hours. Entrance credit, one unit.
- B. Second Year French. Daily except Sat., 8 and 12. Mr. HUBERT. University credit, four hours. Entrance credit, one unit.
- C. Third Year French. Daily except Sat., 8 and 12. University credit, four hours. Entrance credit, one unit. Assistant Professor PUMPELLY.
- D. French Literary Criticism. Daily except Sat., 9. Professor MASON. Credit, two hours.
- E. An Introduction to French Philology. Daily except Sat., 10. Assistant Professor PUMPELLY. Credit, two hours.
- F. History of French Literature. Daily except Sat., 11. Mr. HUBERT. Credit, two hours.
- G. Old French Texts. Daily except Sat., 9-11. Professor COMFORT. Credit, two hours. Prerequisite course E.

SPANISH

- A. First Year Spanish. Daily except Sat., 8 and 12. Assistant Professor KENISTON. University credit, four hours. Entrance credit, one unit.
- B. Second Year Spanish. Daily except Sat., 8 and 12. Mr. RIVERA. University credit, four hours. Entrance credit, one unit.
- C. Third Year Spanish. Daily except Sat., 8 and 12. Professor COMFORT. University credit, four hours. Entrance credit, one unit.
- D. Spanish Composition and Conversation. Daily except Sat., 11. Mr. RIVERA. University credit, two hours.
- E. Old Spanish. Daily except Sat., 9. Assistant Professor KENISTON. University credit, two hours.

GERMAN

- A. First Year German. Daily except Sat., 8 and 12. Professor POPE. University credit, four hours. Entrance credit, one unit.
- B. Second Year German. Daily except Sat., 8 and 12. Dr. JONAS.
- C. Third Year German. Daily, 8 and 12. Dr. ZINNECKER. University credit, five hours.
- D. Advanced Course in Modern German Grammar. Daily except Sat., 11. Professor BORSCHKE. Credit, two hours.
[History of the German Language.] Not given in 1916.
- E. Advanced Composition and Conversation. Daily except Sat., 8. Assistant Professor DAVIDSEN. Credit, two hours.
[Studies in the Style and Technique of the Nineteenth Century Prose Writers. Assistant Professor DAVIDSEN.] Not given in 1916.

[Comparative Studies in the German Drama. Assistant Professor DAVIDSEN.] Not given in 1916.

F. Nineteenth Century Prose Writers. Daily except Sat., 9. Assistant Professor DAVIDSEN. Credit, two or three hours.

G. Lessing's Life, Writings, and Influence. Daily except Sat., 10. Professor BOESCHE. Credit, two hours.

[Life and Works of Goethe.] Not given in 1916.

[Life and Works of Schiller.] Not given in 1916.

H. Training Course for Teachers. Daily except Sat., 10. Dr. JONAS. Credit, two or three hours.

J. Middle High German. Daily except Sat., 10. Professor POPP. Credit, two hours.

[Richard Wagner.] Not given in 1916.

LATIN

A. The Teaching of Latin in Secondary Schools. Daily except Sat., 11. Mr. JAMES. Credit, two hours.

B. Latin Composition. Daily except Sat., 10. Mr. JAMES. Credit, two hours.

C. The Latin Language and Latin Syntax. Credit, two hours. Daily except Sat., 8. Professor DURHAM.

D. Seneca. Credit, two hours. Daily except Sat., 9. Professor DURHAM.

The Field of Latin Studies. Professor DURHAM.

SCIENCE OF LANGUAGE

A. Introduction to the Study of Language. Daily except Saturday, 12. Professor BRISTOL. Credit, two hours.

HISTORY AND GOVERNMENT

A. American Government and Politics. Daily except Sat., 8. Credit, two hours. Professor BRETZ.

[American History, 1850-1875.] Not given in 1916.

B. American History. The Middle Period, 1815-1860. Daily except Sat., 10. Credit, two hours. Professor BRETZ.

D. Greek and Roman History. Daily except Sat., 9. Credit, two hours. Professor SILL.

[E. English History to 1485.] Not given in 1916.

F. English History. 1485-1916. Daily except Sat., 10. Credit two hours. Professor LUNT.

G. Medieval History. Daily except Sat., 11. Credit, two hours. Professor LUNT.

H. Seminary in English History. One two-hour session each week. Professor LUNT.

J. European History since 1814. Daily except Sat., 11. Credit, two hours. Professor SILL.

K. South America; Social, Political and Economic. Daily except Saturday, 9. Professor LINGLE.

L. Methods of Teaching History and Civics in the High School. Daily except Sat., 12. Principal SULLIVAN.

ECONOMICS AND SOCIAL PROBLEMS

A. Principles of Economics. Daily except Sat., 11. Credit, two hours. Professor YOUNG.

B. Economic Problems. Daily except Sat., 8. Credit, two hours. Assistant Professor TURNER.

C. Corporation Finance and the Trust Problem. Daily except Sat., 10. Assistant Professor TURNER.

D. Money and Banking. Daily except Sat., 10. Credit, two hours. Professor YOUNG.

E. General Problems of Industrial History. Daily except Sat., 9. Credit, two hours. Assistant Professor USHER.

F. The Economic Background of Modern World Politics. Daily except Sat., 11. Credit, two hours. Assistant Professor USHER.

MUSIC

First year courses are designated A. Second year courses are designated B. Third year courses are designated C. Fourth year courses are designated D. Advanced courses are designated E.

Sight Reading—A. Daily except S, 9:15. Miss WHITE, Miss STARK.

Sight Reading—B. Daily except S, 9:15. Mr. SCALES, Prof. HOERNER.

Sight Reading—C. Credit, one hour. Daily except S, 11:15. Mr. SCALES, Prof. HOERNER.

Dictation. A. Daily except F and S, 10:15. Miss WHITE, Miss STARK.

- Dictation—B. Credit, two hours. Daily except F and S, 10:15. Mr. BUTTERFIELD.
- Dictation—C. Credit, two hours. Daily except S, 9:15. Mr. BUTTERFIELD.
- Elementary Principles and Practice of Teaching.—A. Credit, one hour. Daily except S, 11:15. Miss SHEFFER.
- Material and Methods—B. Credit, two hours. Daily except S, 11:15. Miss BRYANT.
- Material and Methods—C. Credit, two hours. Daily except S, 10:15. Professor DANN.
- High and Normal School Music—D. Credit, two hours. Daily except F and S, 12:15. Professor DANN.
- Practice Teaching—D. Credit, one hour. Daily except S, 9:15. Miss BRYANT.
- Rudiments of Music—A. Daily except S, 12:15. Mr. SCALES.
- Harmony—B. Credit, two hours. Daily except S, 12:15. Mr. BALLARD.
- Melody and Harmony—C. Credit, two hours. Daily except S, 12:15. Mr. JOHNSTONE.
- Melody and Harmony—D. Credit, one hour. M W and F, 11:15. Mr. JOHNSTONE.
- Chorus. Daily except S, 8:00. Professor DANN.
- Choral Conducting—D. M and T, 10:15. Professor HOERRNER. Additional hours to be arranged.
- Orchestral Conducting—D. W and Th, 10:15. Mr. COGSWELL.
- Voice Training—A and B. Daily except W and S, 2:15. Mrs. NECOLLINS.
- Voice Training—D and E. M T and Th, 2:15; F, 12:15. Mrs. HUNT.
- Principles and Practice of Teaching —D.
- History of Music and Current Events—C.
- History of Music and Current Events—D.
- Musical Appreciation—E. T and Th, 11:15. Mr. JOHNSTONE.
- Musical Composition—E. Credit, one hour. M W and F, 9:15. Mr. JOHNSTONE.
- Orchestral Technique—E. Credit, one hour. W and F, 2:15. Mr. COGSWELL.
- Normal Courses in Piano Teaching (Elective)—Elementary and Intermediate. Credit, two hours. Daily except S, 3:00. Mr. KROEGER.
- Normal Courses in Piano Teaching (Elective)—Advanced. Credit, two hours. Daily except S, hour to be arranged. Mr. KROEGER.

MATHEMATICS

- Courses A, B, and C are equivalent to the advanced entrance requirements of Cornell University. Credit, three hours each.
- A. Advanced Algebra. Daily, 9. Professor SNYDER. Daily, 10. Assistant Professor OWENS.
- B. Solid Geometry. Daily, 10. Assistant Professor SHARPE.
- C. Trigonometry. Daily, 11. Assistant Professor SHARPE.
- E. Analytic Geometry and the Calculus. Daily, 8 and 11. Credit, six hours. Assistant Professor GILLESPIE.
- F. Analytic Geometry and the Calculus. Daily, 8 and 11. Credit, six hours. Assistant Professor CARVER, Dr. SILVERMAN, and Dr. MCKELVEY.
- G1. Projective Geometry. Daily, 9. Credit, three hours. Assistant Professor OWENS.
- [G2. Plane Algebraic Curves.] Not given in 1916.
- H. Analysis. Daily, 11. Credit, three hours. Assistant Professor HURWITZ.
- K1. Teachers' Course. Elementary, Intermediate, and Advanced Algebra. Daily except Sat. Credit, two hours. Assistant Professor HURWITZ.
- K2. Teachers' Course. Plane and Solid Geometry. Daily except Sat., 10. Credit, two hours. Professor SNYDER.
- M. Algebraic Geometry. Professor SNYDER.
- N. Applied Mathematics. Assistant Professor SHARPE.
- O. Functions of a real variable, point-sets, calculus of variations. Assistant Professor GILLESPIE.
- P. Foundations of geometry and problems in synthetic geometry. Assistant Professors CARVER and OWENS.
- Q. Advanced Analysis. Assistant Professor HURWITZ.

PHYSICS

2. Lectures with Experiments and Recitations. Daily 8-10. Credit, five hours. Professors SHEARER and GIBBS.
3. Problems. This can only be taken with 2. Total credit for 2 and 3, six hours. Assistant Professor GIBBS.
7. Required recitations for Civil Engineers. Daily except Sat., 8. Credit, three hours.

8. Recitations in General Physics. Credit, two hours. Prerequisite, either physics 2 and 3, or 2 and 10, and mathematics 5 or their equivalents. Daily except Sat., 9. Assistant Professor RICHTMYER.

9. Recitations in General Physics. Daily except Sat., 8. Mr. BROWN.

10. Physical Laboratory. One to five three-hour periods a week. Daily except Sat., 10-1. Assistant Professors BLAKER and RICHTMYER, and Mr. POWER. Credit, one to three hours.

14. Physical Experiments. Credit from one to four hours. Prerequisite courses 2 and 7, or 2 and three hours of 10 or the equivalent. One to five three-hour periods a week. Daily except Sat., 10-1. Assistant Professors BLAKER and RICHTMYER, and Mr. BROWN.

25. Advanced Laboratory Practice. Directed by members of the staff in each special field.

44. X-Ray Laboratory. Hours by appointment. Professor SHEARER.

CHEMISTRY

The courses announced below correspond entirely or in part with regular University courses. In numbering these summer courses, 200 has in each case been added to the number of the corresponding course given during the regular sessions of the University.

201. Introductory Inorganic Chemistry. A. Lectures daily except Sat., 12. Professor BROWNE and Mr. MCCOY.

B. Laboratory work. Dr. WELSH and Mr. KIRK.

C. Recitations. T Th F, 8. Dr. WELSH. Credit, six hours.

206. Elementary Qualitative and Quantitative Analysis. Credit, two, three, or five hours. A. Qualitative Analysis. Lectures, M W F, 11. Dr. RHODES. Laboratory, daily except Sat., 1:30-4:30. Dr. RHODES and Mr. RAY. B. Quantitative Analysis. Elementary. Lectures, T Th, 11. Laboratory, M W F, 8-11. Credit, two hours. Assistant Professor LUNDELL and Mr. KOLLER.

207. Qualitative Analysis. Lectures and recitations, M W F, 11. T Th, 8. Dr. RHODES. Laboratory work, daily except Sat., 1:30-4:30 and M W F, 8-11. Dr. RHODES and Mr. RAY. Credit, one to six hours.

212. Quantitative Analysis. Lectures, daily except Sat., 8. Assistant Professor LUNDELL. Laboratory, daily except Sat., 9-1. Assistant Professor LUNDELL and Mr. KOLLER. Credit, four, five, or six hours.

214. Quantitative Analysis, Advanced Course. Credit, one, two, three, or four hours. Assistant Professor LUNDELL and Mr. KOLLER.

216. Electrochemical Analysis. Laboratory practice at hours to be arranged. Assistant Professor LUNDELL and Mr. KOLLER.

217. Opticochemical Methods. Lectures, daily except S., 12. Laboratory practice at hours to be arranged. Credit, three hours. Assistant Professor ANDERSON and Mr. ERSKINE.

[219. Qualitative and Quantitative Gas Analysis. Lectures, daily except S., 12. Credit, two hours. Assistant Professor ANDERSON.] Not given in 1916.

[220. Technical Gas Analysis. Laboratory practice, at hours to be arranged. Credit, two hours. Assistant Professor ANDERSON and Mr. ERSKINE.] Not given in 1916.

230. Organic Chemistry. A. Aliphatic compounds. Lectures and recitations. Daily except Sat., 8. Laboratory practice at hours to be arranged. Credit, four to six hours. Professor ORNDORFF, Mr. MAHOOD, and Mr. SHERWOOD. B. Aromatic compounds. Lectures and recitations. Daily except Sat., 10. Laboratory practice at hours to be arranged. Credit, four to six hours. Mr. MAHOOD and Mr. SHERWOOD.

231. Organic Chemistry. A. Aliphatic compounds. Lectures and recitations. Daily except Sat., 8. Credit, three hours. Professor ORNDORFF and Mr. SHERWOOD. B. Aromatic compounds. Lectures and recitations. Daily except Sat., 10. Credit, three hours. Mr. MAHOOD and Mr. SHERWOOD.

232. Organic Chemistry, Shorter Course. Credit, four hours. Professor ORNDORFF, Mr. MAHOOD, and Mr. SHERWOOD.

234. Advanced Organic Chemistry. Credit, two or more hours. Professor ORNDORFF, Mr. MAHOOD, and Mr. SHERWOOD.

237. Methods of Organic Analysis. Credit, two or more hours. Professor ORNDORFF and Mr. MAHOOD.

248. Selected Topics in Advanced Inorganic Chemistry. Lectures, M W F, 10. Credit, one hour. Dr. WELSH.

250. Introductory Physical Chemistry. A. Lectures daily except Sat., 8. Credit, three hours. Assistant Professor BRIGGS and Mr. ENGELDER. [B. Lectures daily except Sat. Credit, three hours. Assistant Professor BRIGGS and Mr. ENGELDER. A continuation of Part A.] Part B will not be given in 1916.

251. Physical Chemistry Laboratory. A. Laboratory practice daily except Sat., 9-1. Credit, three hours. Assistant Professor BRIGGS and Mr. ENGELDER. [B. Laboratory practice, daily except Sat., 9-1. Credit, three hours. Assistant Professor BRIGGS and Mr. ENGELDER. Open to those only who have taken or are taking Course 250B or its equivalent. The course is a continuation of Part A.] Part B will not be given in 1916.

265. Chemical Microscopy, Elementary. Laboratory practice at hours to be arranged. Credit, two hours. Professor CHAMOT.

266. **Chemical Microscopy, Advanced.** Laboratory practice at hours to be arranged. Credit three hours. Professor CHAMOT.

269. **Elementary Sanitary Chemistry.** Lectures, recitations, and laboratory practice. Credit, five hours. Mr. GEORGIA.

296. **Research.** Credit, one to six hours.

GEOGRAPHY AND GEOLOGY

Lecture Courses in Geography and Geology

A. **Physical Geography.** M T W Th, 9. Assistant Professor VON ENGELN. Credit, two hours.

B. **Commercial and Industrial Geography.** M T W Th, 11. Assistant Professor VON ENGELN. Credit, two hours.

E. **Geology.** A general introductory course. M T W Th, 10. Mr. MONNETT. Credit, two hours.

Laboratory and Excursion Courses in Both Geography and Geology

H. **Physical Geography, Laboratory Course.** T Th, 2-4. Mr. ELSTON. Credit, one hour.

I. **Geology, Laboratory Course.** W F, 2-4. Mr. MONNETT. Credit, one hour.

J. **Geography and Geology, Field Course.** A series of excursions under the general charge of Assistant Professor von Engeln and other members of the staff.

ZOOLOGY

A. **General Zoology.** Lectures, daily except Sat., 9. Five laboratory periods, daily except Sat., 2-5.30. Laboratory fee, \$5.00. Credit, five hours. Assistant Professor REED, and Mr. SHADLE.

B. **Ornithology.** Lectures, laboratory, and field work. Laboratory fee, \$1.50. Assistant Professor ALLEN.

C. **Advanced Work.** For qualified students. Assistant Professors REED and ALLEN.

SHOP WORK AND DRAWING FOR ENGINEERING STUDENTS

Drawing

A. **Mechanical Drawing.** M W F, 8-11 and daily except Sat., 2-5. Assistant Professor HAM.

B. **Machine Sketching and Drawing.** M W F, 8-11 and daily except Sat., 2-5. Professors KIMBALL and HAM.

C. **Descriptive Geometry.** Lectures or recitations, daily except Sat., 8. Drawing daily except Sat., 9-12. Assistant Professor POND.

Shop Work

A. **Pattern Making.** Mr. HOOPER.

B. **Foundry Work.** Mr. VANDERHOEF.

C. **Forge Work.** Mr. HEAD.

D. **Machine Work.** Daily except Sat., 8-11, 1-5, and Sat., 8-11. Mr. WELLS and Mr. BUCK.

E. **Manual Training.**

MECHANICS OF ENGINEERING

The courses A and B are considered the equivalent of course 20 in the College of Civil Engineering, or of courses M 5 and M 6 in Sibley College.

A. **Mechanics.** Lectures, recitations, and problems, two hours daily, 8-10. Credit, five hours. Assistant Professor RETTGER.

B. **Mechanics.** Lectures, recitations, and problems, two hours daily, 10-12. Credit, five hours. Assistant Professor RETTGER.

BRIDGE AND STRUCTURAL ENGINEERING

C.E. 71. **Structural Design and Bridge Stresses.** Credit, two or four hours. Prerequisite Mechanics 20. Equivalent to first term C.E. 71. Lectures, recitations, computations, and drawing at hours to be assigned. Assistant Professor BURROWS and Mr. URQUHART.

C.E. 71. **Bridge Design.** Credit, four hours. Prerequisites. Structural Design and Bridge Stresses. Lectures, computations, and drawing at hours to be assigned. Assistant Professor BURROWS and Mr. URQUHART.

C.E. 72. **Reinforced Concrete Arch.** Credit, three hours. Prerequisites Mechanics 20, and that portion of course 71 which deals with elementary graphic statics. Lectures, computation, and drawing, at hours to be assigned. Assistant Professor BURROWS and Mr. URQUHART. This course may be substituted for Engineering Design, C.E. (91f.)

C.E. 77. **Concrete Construction.** Credit, three hours. Prerequisite Mechanics 20. Assistant Professor BURROWS and Mr. URQUHART.

HYDRAULICS

Hydraulics. Twice daily (except Sat.), 8 and 12, Sat., 8. Assistant Professor SEERY.

STATE COLLEGE OF AGRICULTURE

OFFICERS

Jacob Gould Schurman, LL.D., President of the University.
 Beverly Thomas Galloway, B.Agr. Sc., LL.D., Dean of the College of Agriculture and Director of the Experiment Station.
 George Prentice Bristol, A.M., Director of the Summer Session.
 George Alan Works, B.Ph., M.S.A., Professor of Rural Education.
 David Fletcher Hoy, M.S., Registrar of the University.
 Cornelius Betten, Ph.D., Professor, Secretary and Registrar.

STAFF OF INSTRUCTION

F. E. Andrews, Foreman of instruction flocks in Poultry Husbandry.	Poultry Husbandry
Thomas Alexander Baker, B.S., Instructor in Animal Husbandry.	Animal Husbandry
Earl Whitney Benjamin, B.S. in Agr., Ph.D., Assistant Professor of Poultry Husbandry.	Poultry Husbandry
Elmer Eugene Barker, A.B., Ph.D., Assistant Professor of Plant Breeding.	Plant Breeding
Beulah Blackmore, Instructor in Home Economics.	Home Economics
Lucile Brewer, B.S., Instructor in Home Economics.	Home Economics
Charles Stockton Brewster, B.S.A., Instructor in Poultry.	Poultry Husbandry
H. P. Buchan, Foreman Incubation and Brooding.	Poultry Husbandry
Harry Oliver Buckman, M.S.A., Ph.D., Assistant Professor of Soil Technology.	Soils
Mrs. Anna Botsford Comstock, B.S., Assistant Professor of Nature-Study.	Nature-Study
Lewis Josephus Cross, A.B., Ph.D., Professor of Chemistry in its Relations to Agriculture.	Chemistry
Ralph Wright Curtis, M.S.A., Assistant Professor of Landscape Art.	Landscape Art
Archie Byron Dann, B.S., Instructor in Poultry Husbandry.	Poultry Husbandry
G. H. Duff, Assistant in Botany.	Botany
George Charles Embury, Ph.D., Assistant Professor of Aquiculture.	Natural History
J. H. Faull, Ph.D., Professor of Botany in University of Toronto.	Botany
S. W. Frost, B.S., Assistant in Entomology.	Entomology
Frederick Llewelyn Griffin, Professor of Rural Education in charge of Junior Project Work.	Rural Education
L. A. Hausman, B.S., Assistant in Meteorology.	Meteorology
Layton S. Hawkins, B.A., Specialist in Agricultural Education, Lecturer in Rural Education.	Rural Education
Arthur John Heinicke, B.S.A., M.A., Instructor in Pomology.	Pomology
Anna Elizabeth Hunn, B.S., Instructor in Home Economics, and Manager of the Cafeteria.	Home Economics
H. S. Jackson, A.M., Professor of Plant Pathology, Purdue University.	Plant Pathology
Oskar Augustus Johannsen, A.M., Ph.D., Professor General Biology.	Biology
Olney Brown Kent, B.S., Instructor in Poultry Husbandry.	Poultry Husbandry
Harry E. Knowlton, B.S., Assistant in Botany.	Botany
Helen Knowlton, A.B., Instructor in Home Economics.	Home Economics
Lewis Knudson, B.S.A., Ph.D., Assistant Professor of Botany.	Botany
Charles Ralph Kopman, Assistant in Poultry Husbandry.	Poultry Husbandry
George Nieman Lauman, B.S.A., Professor of Rural Economy.	Rural Economy
David Lumsden, Assistant Professor of Floriculture.	Floriculture
Lawrence Howland MacDaniels, A.B., Instructor in Botany.	Botany
Thomas Joseph McInerney, M.S. in Agr., Instructor and Investigator in Dairy Industry.	Dairy Industry
Franklin Post Metcalf, A.B., Instructor in Botany.	Botany
DeVoe Meade, B.S., Instructor in Animal Husbandry.	Animal Husbandry
Winifred Moses, B.S., Instructor in Home Economics.	Home Economics
Ina K. Pittner, B.S., Technical High School, Los Angeles.	Home Economics
Juan Estevan Reyna, E.E., Instructor in Drawing.	Drawing
Frank Elmore Rice, A.B., Ph.D., Assistant Professor in Agricultural Chemistry.	Chemistry
Howard Wait Riley, M.E., Professor of Rural Engineering.	Rural Engineering
Flora Rose, B.S., M.A., Professor of Home Economics.	Home Economics
Harold Ellis Ross, M.S.A., Professor of Dairy Industry.	Dairy Industry

Henry William Schneck, B.S., Instructor in Vegetable Gardening.	Vegetable Gardening
Susan Bender Sipe, J. O. Wilson Normal School, Washington, D. C.	Rural Education
Anna C. Stryke, A.B., Instructor in Entomology.	Entomology
Clark Leonard Thayer, B.Sc., Assistant in Floriculture.	Floriculture
Edward Mowbray Tuttle, B.S., A.B., Assistant Professor of Rural Education.	Rural Education
Martha Van Rensselaer, A.B., Professor of Home Economics.	Home Economics
Frances Vinton, B.A., Instructor in Home Economics.	Home Economics
Karl McKay Wiegand, Ph.D., Professor of Botany.	Botany
George Alan Works, B.Ph., M.S.A., Professor of Rural Education.	Rural Education

COURSES IN THE COLLEGE OF AGRICULTURE

ANIMAL HUSBANDRY

A. Principles and Practice of Feeding Animals. Credit two hours. Lectures, M W F, 10 Practice, T Th, 10-12.30. Mr. BAKER.

B. Principles of Animal Breeding, and Elementary Judging. Credit, three hours. Lectures, daily except S, 9. Laboratory T Th, 2-4:30. Mr. MEADE.

BIOLOGY

A. General Biology. Credit, three hours. Lectures, daily except S, 11. Laboratory and field work. Professor JOHANNSEN and Mr. ———. Laboratory fee, \$2.50.

H. Aquiculture. Credit, one hour. Lectures T Th, 9. Assistant Professor EMBODY.

BOTANY

A. Elementary Botany. Credit, three hours. Lectures, M W, 8. Laboratory, M W, 9-1, F, 8-1. Professor FAULL and Mr. DUFF. Laboratory fee, \$3.50.

B. Elementary Morphology of Seed Plants. Credit, one hour. Lectures and laboratory. Professor FAULL and Mr. DUFF. Laboratory fee, \$2.

C. General Plant Physiology. Credit, four hours. Prerequisites: all freshman work or its equivalent, and general botany. Lectures, daily, except S, 9. Laboratory, daily except S, 10-1:30. Assistant Professor KNUDSON and Mr. KNOWLTON. Laboratory fee, \$6.

D. Identification, Classification, and Ecology of the Higher Plants. Credit, two hours. Prerequisite: some training in structural botany taken previously or in connection with this course. Lectures, laboratory, and field work. Professor WIEGAND. Laboratory fee, \$2.50.

E. Trees and Shrubs. Credit, two hours. Prerequisite: some training in structural botany, taken previously or in conjunction with this course. Lectures, laboratory and field work. Mr. MACDANIELS and Mr. METCALF. Laboratory fee, \$2.50.

H. Identification and Classification of Lichens, Liverworts, Mosses, and Ferns. Credit, one hour. Prerequisite: a general knowledge of structural botany. Laboratory and field work. Professor WIEGAND and Assistants. Laboratory fee, \$2.

(The following courses are given under the direction of the Department of Plant Pathology)

I. Parasitic Fungi. Credit, two hours. Prerequisite general introductory botany. Lectures, laboratory and field work. Professor JACKSON. Fee \$3.

J. Fleasy Fungi. Credit two hours. Prerequisite general introductory botany. Lectures, laboratory, and field work. Professor JACKSON. Fee \$3.

CHEMISTRY

A. Agricultural Chemistry. Credit, four hours. Prerequisite: Chemistry 1, or its equivalent. Lectures, daily 8. Recitations, M W F, 9. Professor CROSS.

B. Agricultural Chemistry. Credit, two hours. Prerequisite Chemistry 1 and 6, or the equivalent. M W F, 11-1; 2-4.30. Assistant Professor RICE.

A laboratory course designed to accompany course A. Laboratory deposit, \$15.

C. Household Chemistry. Credit, two hours. Prerequisites: Chemistry 1 and 6, or the equivalent. Lectures, daily except S, 10. Professor CROSS.

D. Household Chemistry. Credit, two hours. M W F, 11-1; 2-4:30, S, 8-1. Assistant Professor RICE. A laboratory course designed to accompany course C. Laboratory deposit \$15.

DAIRY INDUSTRY

A. Milk Composition and Tests. Credit, three hours. Lectures, daily, except Saturday, 8. Laboratory, M W F, 2-4:30. Professor ROSS and Mr. MCINERNEY.

This is equivalent to course 1 of the regular university year. Laboratory deposit, \$3.

DRAWING

A. **Mechanical Drawing.** Credit, two hours. Eighteen hours work a week will be required for each hour of credit. Mr. REYNA.

ENTOMOLOGY

A. **Insect Life.** Credit, two hours. Lectures, T Th, 8. Practical exercises T Th and F, 2-4:30. Miss STRYKE and ———.

D. **Elementary Morphology of Insects.** Credit, three hours. Twenty one hours of laboratory work per week required. Summer session, Mr. FROST. Laboratory fee, \$2.

F. **Elementary Systematic Entomology.** Credit, two hours. Fifteen hours of laboratory work per week required. Must be preceded or accompanied by course 4. Summer session, Mr. FROST. Laboratory fee, \$3.

FLORICULTURE

A. **Garden Flowers.** Credit, one hour. Professor LUMSDEN and Mr. THAYER.

B. **Indoor Flower Growing.** Credit, one hour. Mr. THAYER.

HOME ECONOMICS

A. **Survey Course in Foods.** Credit, four hours. Misses VINTON and MOSES. Laboratory fee, \$7.50.

B¹. **Elementary Course in Foods.** Credit, four hours. Misses VINTON, KNOWLTON, and MOSES. Laboratory fee, \$7.50.

[B². **Advanced Course in Foods.** Credit, four hours.] Not given in 1916.

A continuation of B¹ which must precede this course.

C. **Human Nutrition.** Credit, three hours. Professor ROSE and Miss KNOWLTON. Laboratory fee, \$6.

D. **Household Management.** Credit, two hours. Professor VAN RENSSELAER and Miss KNOWLTON.

E. **Extension in Home Economics.** Credit, three hours. Professor VAN RENSSELAER and Miss BREWER. Laboratory fee, \$3.

F. **Institution Management.** Credit, four to six hours. Miss HUNN and Miss MOSES. Laboratory fee, \$5 to \$10.

G. **Elementary Clothing and Handwork.** Credit, two hours. Miss BLACKMORE and Miss PITNER. Laboratory fee, \$2.

H. **Elementary Dressmaking.** Credit, two hours. Prerequisite—Course G or its equivalent. Miss BLACKMORE and Miss PITNER. Laboratory fee, \$2.

I. **Textiles and Elementary Design.** Credit, two hours. Miss BLACKMORE. Laboratory fee, \$2.

LANDSCAPE ART

C. **The Arrangement of Home and School Grounds.** Credit, one hour. Assistant Professor CURTIS.

METEOROLOGY

A. **Meteorology and Climatology.** Credit, one hour. Mr. HAUSMAN.

NATURE STUDY

A. **General Nature Study.** Credit, two hours. Assistant Professors COMSTOCK and EMBODY.

B. **Natural History of the Farm.** Credit, one hour. Assistant Professor EMBODY. Laboratory fee, \$1.

H. **Seminary in Kindergarten Methods in Nature Study.** Assistant Professor COMSTOCK.

PLANT BREEDING

A. **Principles and Practice of Plant Improvement.** Credit, one hour. Assistant Professor PARKER. Laboratory fee, 50 cents.

POMOLOGY

A. **General Fruit Growing.** Credit, three hours. Prerequisites Botany 1, or its equivalent. Mr. HEINICKE.

B. **Advanced Pomology.** No credit. Prerequisites: Botany 1 and Pomology A, or the equivalent. Mr. HEINICKE.

POULTRY HUSBANDRY

A. **The Care and Management of Poultry.** Credit, four hours. Assistant Professor BENJAMIN and Messrs. KENT and BREWSTER. Laboratory fee, \$3.

B. **Farm Poultry.** Credit, one hour. Assistant Professor BENJAMIN and Messrs. KENT and BREWSTER. Laboratory fee, \$1.

C. **Feeding Practice.** Credit, one hour. Mr. DANN and Mr. ANDREWS. Laboratory fee, \$1.

D. **Incubating Practice.** Credit, one-half hour. Mr. BUCHAN. Laboratory fee, \$1.

E. **Brooding Practice.** Credit, one-half hour. Mr. BUCHAN and Mr. KOPMAN. Laboratory fee, \$1.

RURAL ECONOMY

A. **Economic and Social Status of the Rural Community.** Credit, two hours. Daily except S, 10. Professor LAUMAN.

B. **Marketing and Prices.** Credit, two hours. Professor LAUMAN.

RURAL EDUCATION

B. **Agriculture in the High School.** Credit, three hours. Professor WORKS.

F. **The School.** Credit, one or two hours. Assistant Professor TUTTLE.

G. **School and Home Gardens.** Credit, one hour. Miss SIPE.

O. **Principles and Methods of Home Project Work in the Elementary School.** Credit, two hours. Professor GRIFFIN.

RURAL ENGINEERING

C. **Farm Mechanics.** Credit, two hours. Professor RILEY. Laboratory fee, \$2.

SOIL TECHNOLOGY

C. **Soils.** Credit, one hour. Assistant Professor BUCKMAN.

VEGETABLE GARDENING

A. **Vegetable Gardening.** Credit, two hours. Mr. SCHNECK and others. Laboratory fee \$3.00.

THE FORTY-EIGHTH ANNUAL COMMENCEMENT

Wednesday, June 21, 1916

FIRST DEGREES

Bachelors of Arts

Samuel Kuykendall Adams
George Raymond Allen
William Robert Clements Alley
George Sullivan Armory
Thomas Henry Amos, jr.
Cowles Andrus
Stowell William Armstrong
Hyman Astor
Lillian Gladys Avery
Edward Wilcox Aycrigg
John Wendell Bailey, B. S.
Donald Robinson Baldwin
Catharine Ann Bard
Roland Russel Barnes
John Wheaton Bateman
Grace Margaret Bates, A. B.
Mary Seymour Bates
Harold Stewart Belcher
Elmer Adolph Beller
Grace Louise Bennett
Nellie Constance Benster
Isaac Berkowitz
Joseph Herman Berkowitz
Edith Amelia Bernhoft
Clotilde Helga Betances
Florence Cornelia Bowen
Edna Mildred Boyd
Francis Gerard Brink
Homer Browning
George Dupré Buckwell
Howard Alfred Burgard
Alden Crippen Buttrick
Donald Watson Cady
John Thomas Callaghan
Laurence Kingsley Callahan
Harry Caplan
Moses Carnes
Harry Beahan Carney
Allan Wallace Carpenter
Cora Crucis Carroll
Alice Josephine Casey
Raphael Chavin
Arthur Peter Chippey
Louis Hanawalt Clarey
Martin Joseph Cleary
Robert Harris Cobb
Carlton Palmer Collins
Gladys Kruger Combs
Harold Welcher Conklin
Lester Jay Conkling
Juliette MacMonnies Courant
William Howell Cullinan
Daniel Cady Darrow
Lyman Warren Davison
John Dunnegan
Frank Judge Durham
Charles Clark Durland
Clifford Conklin Edwards
Jere Dudley Eggleston
Edwin Alvin Eisenbeis
Bertha Maude Ellis
Augustus Lawrence Feick
John Biddle Flanigan
Frank John Flannery
John Ehret Flitcroft
Richard John Foster, jr.

Frank Lowenfels
Peter Horatio Lucas
Gurney Alexander Lunt
Verena Lillian Luscher
Anita Genevieve Lynch
Harold Shepardson Lyon
Katherine Lyon
Horace Bramwell Macartney
Arthur Fillingham McCann
Margaret Hope McClanahan
Lincoln McCroddan
Charles Kiersted MacDermut, jr.
Hugh MacKenzie
Frank Thomas Madigan
Joseph Mandelberg
Arturo Martinez
Lester Mayers
Bruno Casimir Mazurowski
William Melniker
John Hanson Michener
Benjamin Hall Micou
Livingston Middleditch, jr.
Adelaide Morton Mifflin
Laura Miller
Julia Moesel
John Adams Moffitt
Julia Boyette Moody
Perlue Hunter Moody
Raymond Lester Murdoch
Helen Parker Myers
Thomas Leete Nelson
Juan Ovalle-Quintero
Charles Rudisel Park
Walter Alexander Pashkoski, B.S.
Jessie Louise King Peters
Willis Franklin Pierce, jr.
William Albert Prescott
Earl D. Pugaley
Leighton Payson Rand
Irma Elizabeth Reeve
Alfred Ricciardi
Jesse Morse Robinson
George Merritt Robison
Frederick Lansing Rogers
Frances Cleveland Rosenthal
Mayer Phineas Ross
Leslie Jacob Rummell
Clyde Albert Russell
Leon George Ruth
Frank Lamar St. John, jr.
Arthur Patterson Schock
Paul Witherell Seelye
Anthony Oswald Shallna
Lee Ceylon Shearer
Clinton Everett Sherwood
Dean Franklin Smiley
Ernest Edward Smith
Julia Elizabeth Smith
Mary Elizabeth Smith
Stanley Edward Smith
William Randolph Smith
Marion Elizabeth Snedeker
Herbert Snyder
Josephine Overton Souders
Frederic Hill Starr
Mary S. Steele, A.B.

James Albert Friend
 Abraham Golden
 Marc S. Goldsmith
 Robert Alexander Barnard Goodman
 Harold Thomas Gray
 Clifford Barker Grayson
 Charles Greenwald
 Fred Crumb Griffith
 Marion Washburn Gushee
 Robert Squier Gutsell
 Bernard Henry Gutwillig
 Paul Sexton Hardy
 Charles Julier Harty
 Catharine Lucy Hawley
 Frederick Heinz
 Edgar Albert Hertz
 Walter Edwin Higgins
 Roland Hurdon Hill
 Luther Harris Hiscock
 Jean Dalziel Holmes
 James Louis Hooker
 Lucy Mary Howard
 Maurice Wilton Howe
 Harry Lyman Humphrey
 Joseph Ward Hunter
 Major Jonah Hurwitz
 Louis Isbitz
 Stuart Deming Jackson
 Anna Laura Jacoby
 Walter David Johnston
 Viola May Jones
 Thomas Leiper Kane, jr.
 William Henry Keeler, jr.
 Henry Howard Kessler
 Clarence Evans Kilburn
 Victor LaRue Klee
 Dorothy Reese Knight
 James Herbert Laidlaw
 Horace Rand Lamb
 Charles Treadway Lansing
 Sanford Green Lansing
 Nora Pauline Lawson
 Albert Edward Leicht
 Charles Levine
 Charles Marion Levy
 Arthur Treadway Lobdell
 W. Frank Lockhart

George May Stevens
 Lila Virginia Stevenson
 Fred Waldorf Stewart
 Abram Gaar Strattan
 Olive Straub
 Henry Theodore Summa
 Florence Elizabeth Sutton
 Henry Bruner Sutton
 Gladys Florence Swartley
 Marjorie Amelia Sweeting
 Helen Taber
 Gerald Matthew Tamblyn
 Marjorie Tappan
 Dorothy Tarbell
 Bayard Taylor
 Evangeline Voorhees Thatcher
 Samuel Joseph Theodore
 Mary Winifred Thomson
 Charles Monroe Thorp, jr.
 Evelyn Louise Thorp
 Signe Kirstine Toksvig
 Frank Jonas Towar, jr.
 Prescott Winson Townsend
 Robert Charles Trethaway
 Hazel Aubrey Tucker
 John Marinus VanHorson
 Jessica Vann, A.B.
 Hamilton Vose, jr.
 David Collis Wager
 Constance Elaine Wait
 Matthew Walzer
 David Warshaw
 Herman Warshow
 Willis Morris Weeden
 Russell Welles
 Howard Daniel Wert
 William Albert White, jr.
 Herbert August Wichelns
 Florence Emily Wilbur
 William Roswell Wilson
 Dorothy Winner
 Annetta Wolodarsky
 Yu Liang Yeh
 Adelheid Bertha Marie Zoe Zeller
 Cornelia Pauline Hedwig Zeller
 Hoong Chiung Zen

Bachelors of Chemistry

James Stanley Babbitt
 George Sanford Babcock
 Elbert Curtiss Baker, A.B.
 John McNickle Ball
 Howard Keller Brickman
 Charles Mosher Carrier
 Francis Owen Case
 Frederick Baxter Downing, jr.
 Henry Franklin Dure, 3d
 Leo Augustine Keane
 Louis Eugene Knauss
 Alphonse Daniel Koch
 Frank Kovacs, jr.
 Maurice Morris Kraft
 Moses Aaron Leavitt

Henry Edgar Longwell, jr.
 John Hervey Loomis
 James Douglas MacMahon
 Lloyd Roberts Moore
 Merrill Albert Mosher
 Samuel Newman
 Dixon Coale Philips
 Frank Howell Pollard
 Thomas Baldwin Prickett
 Francis Harley Scheetz
 Earl Iru Sponable
 Charles Gasner Stupp
 William Donaldson VanArnam
 Frank Ray VanBrocklin, A.B.

Bachelors of Laws

Arthur Isador Abelson
 Herbert Johnson Adair
 Ivan Grant Alexander
 Don Clinton Allen
 Garson Baldwin
 Harold Shaw Bareford
 James Norland Butler
 Harry Francis Byrne
 LeRoy Edge Crocheron
 Arthur Bernard Curran
 Frank Reid Curtis
 John Edward Dixon
 Mahlon Benjamin Doing
 Clarence Hubert Flegel, B.S.

Joseph Kissam Inness
 Raymond Turner Kelsey
 Frank Burdett Lent
 John Shanahan Lewis
 Walter Carl Lunden
 Russell Jaehne McLauchlin
 William Wells Oppermann
 Ralph William Orr
 Leon Alton Plumb, A.B.
 Paul Krusa Roth
 Harry Abraham Salzman
 Willis Adam Schauf
 Clinton Kirby Seymour
 Ramon Siaca, jr.

Donald Crofoot Foster
 Braton Richardson Gardner
 William Aloysius Gillcrist
 Harry Ginsburg
 Roscoe Chambers Gwilliam
 George Harold Hall, A.B.
 Harold Coleman Hallock
 Alexander Maxwell Hamburg
 Frank Byron Howe, jr.

Selby Gilbert Smith
 Benjamin Franklin Sovocool
 Julius Frederick Steinbrenner
 Emmons Glazier Swift
 David Fairman Taber, jr.
 John Edward Toolan
 Carroll Nunn Whitman, A.B.
 Robert Henry Wilson, jr.

Bachelors of Science

Solomon Abelow
 Samuel Louis Alexander
 Arthur Alonzo Allen
 Burke Fowler Allen
 Hester Anna Austin
 Florence Ethel Axtel
 Clarence Wagar Bailey
 Leo Clair Bailey
 Frederick Lawrence Bailliere
 Roland Sears Baker
 Vaughn Durrell Baker
 Frederick Livingston Barnes
 Iris Marie Bassett
 Lucy Antoinette Bassett
 Gertrude Strong Bates
 Edna Belle Beardsley
 Lena Churchill Beecher
 Frederick Gardner Behrends
 Jane Miranda Beilby
 Edward Miller Belden
 Royal Gould Bird
 Russell VanNest Black
 Alice Isabel Boardman
 George Henry Boettner
 Henry Otis Bonnar
 George W. Bonney
 Edward Walter Borst
 Elsie Viola Botsford
 Orley Glenn Bowen
 Ruth Minnie Brace
 Harry Earl Bremer
 Benjamin Brickman
 Frederic Day Brooks
 Lawrence Glen Brown
 Leslie Brown
 Miles William Bryant
 Victor Mitchel Buck
 Edmund James Buckley
 William Francis Bull
 Forrest Clifton Button
 Gertrude MacCartney Button
 Walter Leroy Cain
 Donald Stuart Campbell
 Louis Joseph Camuti
 Wendell Thomas Card
 Glenn Theron Carter
 Charles Herbert Chamberlain
 William Dorr Chappell
 Wilbur Darwin Chase
 William Sage Chater
 Monroe George Cheney, jr.
 Cheuk Kwan Cheung
 Ruth Lewis Cleves
 Willis Ackerly Conklin
 Waldo Beale Cookingham
 Willard Cameron Cool
 Dorothy Jean Cooper
 George Leopold Cooper
 Clement Hutchinson Cornish
 James Carlton Corwith
 Stanley William Cotton
 Abraham Irvine Covell
 Ralph Waldo Emerson Cowan
 Franklin Page Cragin
 Albert Richard Crocco
 Archer Phlegar Crosley
 Wayne Hiram Darrow
 Seymour William Davenport
 Niles Meriwether Davies

Edith Cuthbert Fleming
 Fred Foster
 Louis Sinclair Foulkes, jr.
 Charles Davis Francis
 Julia Kathryn Francis
 James Fisher Free
 Gerson Garb
 Harvey Ellison Gayman
 Ralph Aaron Gerhart
 Clifford William Gilbert
 Margaret Raymond Gill
 Morris Greenberg
 James Heath Greene
 Alvin Frank Griesedieck
 Lloyd Garrison Grinnell
 Ralph Esty Griswold
 Jacob Grossman
 Lawrence Edward Gubb
 Abraham Samuel Haibloom
 Avon Curtis Hallock
 Robert Maver Halsted
 Fred Jacob Hamm
 Edward Everett Hand, jr.
 Henry Charles Handleman
 William Walter Hanford
 Roy William Harmon
 Chester Karl Harriman
 George Hale Harrison
 Lewis Raymond Hart
 VanBreed Hart
 George Augustus Haskins
 Gertrude Bond Hayden
 James Curry Hill
 Earl Henry Hodder
 Albert Höfer
 Allyn Packard Hoffman
 August Andrew Hohmann
 James Tansley Hohmann
 Edwin Earl Honey
 Erich George Huerdler
 Francis Townsend Hunter
 Harold Enos Irish
 Helen Gertrude Irish
 William Henry Jameson, jr.
 Frederic Alfred Jessen
 Julius Jokel
 Helen Prelinghuysen Judd
 Charles Daniel Judson
 Rodolphus Kent
 Anna Cornell Kerr
 Birge Warner Kinne
 Leshe George Knapp
 Morton Charles Kohn
 Julius Caesar Lattanzi
 William Lifschutz
 Arabella Schemerhorn Livingston
 George Shaynin Livingston
 Eugene William Loeser
 Thaddeus Collins Logan
 Edward Earl Ludwig
 Arthur Lewis Lukens
 Marie Helen McCarthy
 Harvey McChesney
 James Donald McCutcheon
 Mortimer Leo McInerney
 William Aloysius McKiernan
 Albert Henri Main
 Harry Louis Marcus
 Harwood Martin

Frederick Archibald Davis, jr.
 Gertrude Luxon Day
 Elsworth Holeman Dederer
 Moses Hyghdene Dorsey
 Robert Wentzel Eisenbrown
 Arthur Rose Eldred
 Berten Eben Ely
 George Sparks Ennis
 Nathan Epstein
 Herman William Erde
 Bertrice Adelia Farrall, A.B.
 Florence Alida Faulhaber
 Frank LaPierre Faulkner
 Kenyon Putnam Flagg
 Clarence Vernon Noble
 Walter Burton Nourse
 Wilbur Scott Oles
 Lois Curtis Osborn
 Emanuel Panoff
 Frank Richmond Perry
 Cornell Nicholas Pfohl, jr.
 Russell McKean Phillips
 Ronald Pohl
 Milton Brown Porter
 Henry Bond Raymore
 Gilbert Saxton Rhodes
 Florence May Rice
 Cathryn Vedralia Riley, B.A.
 Louis Robbins
 Fred August Rogalsky
 Newton Chauncey Rogers
 Jacob Rosenberg
 Herman Jerome Samuelson
 Paul Fitch Sanborne
 Raymond Prior Sanford
 Anna May Sargent
 Charles Faye Sarle
 Helen Elizabeth Saunders
 Marion Schabana
 Albert Friedrich Schäffle, B.S. in Agr.
 Fred Paul Schlichter
 Henry Edward Schradieck
 Harold Arnold Schuler
 Harold Frederick Sherwood
 Frank Gregory Simonds
 Arlington Edward Smith
 Charles Orchard Smith
 E. Milton Smith
 Gladys Elizabeth Smith
 Harlond Leander Smith
 Harold Franklin Smith

Herbert Martin Metzger
 Hugh Millard
 Fred High Miller
 Justus Arthur Minier
 Jennie Theresa Minnick
 John Troup Moir, jr.
 Gilbert McKean Montgomery
 Clarence William Moore
 Revere John Moore
 Henry LeConte Morris
 Leo Augustine Muckle
 Arthur Adams Nelson
 Gertrude Helen Nelson
 Gustave Joseph Noback
 Martha Evelyn Smith
 Ruth Howard Smith
 Bessie Marguerite Spafford
 Helen Spalding
 William Henry Speidel
 Laura Evelyn Speyer
 Frederick Spiegelberg, jr.
 Lida Mosher Stephenson
 Norman Wesley Suiter
 George Warner Swift
 Gilbert Morris Taylor
 Roscoe Teator
 Harold Elwood Tenny
 Clara Louise Thayer
 Frank Henry Thomas
 Frank Marsden Tibbitts
 David Lewis Trax, jr.
 Helen VanKeuren
 Catherine VanOrder
 Harry Lee Vaughn
 Wesley Floyd Vermilyea
 William Lester Webster
 Isaac Weisbein
 Charles Howell Wells
 Theresa West, A.B.
 Nathan Glenn Westbrook
 Bradley Longwell Wheeler
 VanCrampton Whittemore
 Meyer Willett
 Stuart Wilson
 Lacey Howard Woodward
 Ernest Carlton Woolver
 Bertha Frieda Yerke
 Paul Rexford Young
 Wallace Shipman Young
 Louis Arthur Zimm

Doctors of Veterinary Medicine

Irving Edward Altman
 Judson Warren Ardell
 John Fletcher Arnold
 J. Lew Barringer
 Roger Fraleigh Bolenbaker
 Francis James Caveney
 Frederick Conrad Clark
 David Bennett Hill Dalrymple
 Marion Edwin Dennington
 George Henry Hewett
 Harry Gurdon Hodges
 James Riccardo Hoyt
 Joseph Lee Klotz, D.V.M.
 Joseph Bruce Latshaw, B.S.A.

William Michael Long
 John Dudley Moore
 Maurice Arthur Quinn
 George Nethaway Ransley
 Fay Franklin Russell, V.S., B.V.Sc.
 Russell Conklyn Rutan
 George Leonard Schaefer, D.V.M.
 Samuel Harvey Shindelman
 Louis Lathrop Shook
 Julius Stotchik
 William Henry Sutterby
 William Maxwell Thomson
 Ralph Steward Whitney

Bachelors of Architecture

Jacob Altschuler
 Joseph Norbert Bailey
 Ellis William Beck
 Robert Turner Bickford
 William Martin Braziell
 Harold Bennitt Burdick
 Jes Jessen Dall, jr.
 William Kenyon Drake
 Vernon Herman Esser
 Fred Henry Franz
 Milton Hurd
 John Vincent Leonard

Lowry Raeburn Lytle
 Robert Henry McNaughton
 Joseph Roman Pelich
 Albert Eugene Price
 Louis Osmund Rohland
 Edward Oram Shakespeare
 Robert Alexander Sheffey
 William Field Staunton, jr.
 Roland Chester Velguth
 Maurice Hillis Webster
 Joachin Emilio Weiss y Sanchez
 Wallace Henry Wolcott

Civil Engineers

Abram Fuld Bacharach
 Wilson Turner Ballard
 George Dooer Barnhart
 Charles Curtis Beakes
 Max Bernstein
 Frederick Christian Brandes
 Gerald Evans Brower
 William Henry Burgard
 Stuart Shaw Caves
 Wen-Yueh Cho
 Luis Felipe Cianchini
 Jay Conger, jr.
 James Austin Cooper
 Oscar Machado daCosta
 Clement Earl Crook
 Walter Phillip Daly
 John George Dorsey, B.S.
 Charles Frank Eilenberger
 Winthrop Coit Fanning
 Louis Feldman
 Henry Alden Foster, B.S.
 Charles Pearsall Frost
 Edward Mark Geibel
 William Scott Graham
 Hayden Leavenworth Griswold
 Felix Stanton Hales, B.E. in C.E.
 Warner Harwood
 William Louis Havens
 Jeremiah Joseph Hayes
 Albert Perry Himes
 Harold Leslie Hock

Harmon Condit Kibbe
 Arthur Edward LaCroix
 Haw Shen Lee
 Hermann Charles Loeffler
 Wayne MacVeagh
 John Stanley Mallery
 Robert Scott Meston
 Cornelius Walworth Middleton
 Charles Benton Moore, B.S. in C.E.
 Jack Thomas Nash
 Martin Neumaier
 John Lewis Ober
 Charles Harold Olmstead
 Arthur Franklin Perry, jr.
 Leslie Edward Pierce
 George LeRoy Purdy
 Reinaldo Ramirez
 Theodore Chittenden Rogers
 Albert Bowman Sanderson, jr.
 Murray Norcross Shelton
 Theodore Levi Smith
 William John Snively
 Julius Sobel
 George Perkins Spear, jr.
 Federico Terrazas
 Chester Arthur Thompson
 Robert Smith Torrance
 Otto Carl Vieweg
 Paul Fletcher Whittier, B.S. in C.E.
 Nelson Truesdell Wood

Mechanical Engineers

Albert Mott Ackerman
 Ismael S. Alcacer, A.B.
 Malcolm Greame Allison
 Robert Alexander Anderson
 Jaime Annery, jr.
 Roger Kenneth Austin
 Floyd Marshall Avery
 Clifford Eugene Backman
 Edwin Warner Bacon
 Carl Edward Bahn
 Enos H. Baker
 August Harry Bamman
 Hancock Banning, jr., B.S.
 Dana Little Barbour
 George Francis Bason, B.E.
 Robert Sturtevant Bassett
 Charles Leach Beckwith
 John Morris Benore
 Peter Hoffman Birckhead
 Foster Black
 Harold Coleman Blackburn
 Harry Bainbridge Boies
 Louis Jacquelin Bradford, B.S.
 William Jean Brown
 Harry Otis Brunn
 Harold Arthur Cahen, A.B.
 James Birdsall Calkins
 Edward Horace Carman, jr., B.S. in M.E.
 Frank Henry Carter
 Joseph Julius Chadwick
 Vernon Ballard Chase
 John Andrew Chater, jr.
 Malcolm McCay Chesney
 Laurence Reed Chilcote, B.S.
 Wei Yung Chiu
 Charles Frederick Clarke
 Russell Higbee Cleminshaw
 Harold Cole
 Lewis Howard Colpoys
 Clem Harris Congdon
 Donald Dunlop Cooke
 Howard Post Corwith
 Alejandro R. Cota
 Edwin Cowles
 George Calvin Crabtree

Henry Durbin Hukill
 William Insull
 Charles Woodruff Isbell
 Edward Stein Jamison
 Harry Jawetz
 John Ethbert Jenkins
 Frederick Wallace John
 Ellis George Joseph
 William Charles King
 Charles Howard Landon
 George Burnham Lanman
 Plinio de Lima
 Alexander Walter Limont, jr.
 Philip Knowles Lindsay
 Robert Krohn Livingston
 Lenox Riley Lohr
 Otto de Lorenzi
 George Nash Losee
 Frederic Eugene Lyford, jr.
 Morgan Bland McDermott
 William Vincent McGuinness
 John Anderson McKeage
 Marcenus Darius McMaster
 Warren Maenak
 Francis William Marstadt
 Edward Mendinghall, jr.
 William Lincoln Merry
 Robert Gephard Meyler
 Ernest Horatio Millard
 James Humphrey Moore
 George Rose Morgan, B.S.
 Ichiro Motokawa
 Harold Baldwin Murray
 William Hallam Gillis Murray
 John Frank Naugle
 William Post Nugent
 Hubert Kenneth Peebles
 Frank Willis Pierce
 Daniel Frederic Potter, jr.
 Thomas Alexander Rice
 Waldo Hunting Rice
 Andress Stanley Ridgway
 Charles Julius Roese
 Knibloe Perry Royce
 Joaquin Julio de la Roza

Curtis Stratford Crafts
 Milton Elwood Crosby, B.S.
 Harland Burbank Cushman
 Ralph Currier Davis
 Thomas Martin Durkan
 Clarence Herbert Dyer
 Wilton Nathaniel Eddy
 Ernest Exley Elder
 Fred Tripp Estabrook
 Frederick Clarkson Farnsworth
 John Mason Ferris
 Carter Fillebrown
 Paul Alfred Freeman
 William Zeh Frisbie
 Albert Foster Fritchie
 Nathaniel Frucht
 Charles Loomis Funnell
 Valentine Gregory Gahnkin
 George William Gail, jr.
 John Warrington Gale
 George Frederick Gephart
 Samuel Goldberg
 Homer Wadsworth Goodier
 Neil Archibald Gorman
 Henry Hutcheson Graef, jr.
 James Andrew Gray
 Leroy Randle Grumman
 Andrew Hale
 Laurens Hammond
 Harlowe Templar Hardinge
 Ronald Hart
 Julian Harvey
 Philip Hyatt Haselton
 Douglass Canfield Hawley
 Francis Wilkinson Hay
 Leslie Eugene Hazen, B.S.
 William Stewart Hazzard, B.S.
 Edward Henry Herzer
 John Walker Hill
 John Sherwood Hoffmire
 Enoch Nathaniel Holstrom
 Frank Lute Hornickel
 Frederic Boss Howell

Charles Little Russell
 Howard Carlyle Russell
 John Alden Sanford
 Theophile Saulnier
 Joseph Guy Sheaffer
 Laurence Norman Siler
 Frederick John Smith
 Herbert Hoffer Smith
 Walter Robert Smith, A.B.
 Clement Franklyn Souder, jr.
 William Stone Stockton
 Allyn Denison Stoddard
 Ira John Stone
 Joseph Leonard Stone
 John Kenning Stotz
 Walter Sturrock
 Harold Taylor Sutcliffe
 Charles Garrett Thatcher, A. B.
 Beverly Thomas, jr.
 Harold Wooster Thorne
 George Boulton Thorp, A.B.
 William Thomas Todd, jr.
 Karl Robert Trevor
 Charles Prindle Tymeson
 Victor Leroy Uhl
 William Suppes Unger
 Alfred Cresson Vail
 Jose Manuel Valdes, A.B.
 Felipe Felix Vidal Alvarez
 John Henry Vohr
 Justin Federal Wait
 Kenneth Baird Warner
 Paul Albert Henry Weiss
 Eakin Lockwood Wheless
 Manolo Methfessel Wiechers
 Maurice William Wiesner
 Rolan J. Wightman
 Henry Wood Wiley
 Newell Brown Woodbury
 Horace Wyman, 2d
 Chien Yang
 William Raymond Yorkey, B.S.
 William Frank Zimmermann

ADVANCED DEGREES

Masters of Arts

Bertha Agard, A.B.: Trothplight and Marriage in Elizabethan Drama.
 Ellen Baxter Armstrong, A.B.: Bernard of Clairvaux.
 Gertrude Q. Baker, B.A.: Plato and Christianity.
 Mabel Catherine Bohall, A.B.: Christ and Christianity in the Novels of Gustav Frenssen
 Stephen Arnold Cocks, A.B.: A Review of the Various Interpretations of the Twentieth Ode, Book II of Horace's Odes.
 Henry Ernest Conklin, A.B.: Materials for a Study of Dante's Theory of Poetry and Fine Art.
 Vining Campbell Dunlap, A.B.: The Development of Several Species of Pleurotus.
 Christine Hammer, A.B.: The History of Literature as a Science by Julius Petersen.
 Leon Augustus Hausman, A.B.: Contributions to the Life History of Amœba Proteus.
 Walter Norton Hess, A.B.: The Chordotonal Organs and Pleural Discs of Cerambycid Larvæ.
 William Edward Muldoon, D.V.M.: The Advisability of Substituting Local Anæsthesia Either Singly or in Conjunction with Narcosis for General Anæsthesia.
 Fay Hartmann Newland, A.B.: The Wisdom of Doctor Dodypoll.
 Charlotte Helen Pekary, A.B.: Gerhart Hauptmanns Frauengestalten.
 Mary Agnes Quimby, A.B.: Der Landschaftliche Hintergrund der Dramen Gerhart Hauptmanns.
 William Hayes Sawyer, A.B.: The Development of Some Species of Pholiota.
 Mary Waterbury Wheeler, B.S.: The Development of Bacteria in Milk as Affected by Time, Temperature, and Initial Contamination.
 Ellen Cecelia Wigsten, A.B.: An Edition of Rienzi, by Mary Russell Mitford.
 Henry Newton Wolcott, B.S.: "A Metallographic Study of Ores from Gilpin and Clear Creek Counties, Colorado.

Masters of Science in Agriculture

Harry Wilmer Dye, B.S. in Agr.: The Resistance of Selected Strains of Celery to Late Blight, Septoria Petroselinii.
 Moses Gale Eastman, B.S.: A Statistical Study of Farms in Cheshire and Sullivan Counties, New Hampshire.
 Duane Spencer Hatch, B.S.: A Social Study of the Town of Dryden, Tompkins County, N. Y., with Special Emphasis on Rural School Conditions.

- John Huntington Parker, B.S.: A Study of Rust Resistance in Oats (*Avena*) as a Foundation for the Breeding of Improved and Resistant Varieties.
 Curtis Halsted Pollock, A.B., B.S. in Agr.: A Study of Inheritance and Correlation in Tuber Lines of Potatoes. (*Solanum tuberosum* L.)
 William Allen Rhea, B.S.: Roughage versus Grain in a Ration for Dairy Cows.
 Frank Adams Roper, B.S.: Some Factors Influencing the Profitableness of Farming in Clinton and Orange Counties, New York.
 Ralph Irving Scoville, B.S.: Some Factors Affecting the Overrun in Creameries.
 Harry Clark Woodworth, B.S.: A Study of the Agricultural Production Centers of Minnesota.

Masters in Forestry

- Samuel Alexander Graham, B.S. in For.: The Biology and Control of the White Pine Weevil. *Pissodes strobi*—Peck.
 Miles Bertine Haman, B.S.: The Distribution of North American Conifers and its Relation to Certain Ecological Factors.
 Shien Sung Hu, B.S.: Conditions Fundamental to Reforestation in China with Special Reference to Factors Determining Choice of Species.

Masters of Landscape Design

- Lucian Clark Bareham, B.S.: A Design for a Residential Property.
 Edwin Wood Davis, A.B.: The Design of a Residential Property.
 Armand Rhodes Tibbitts, B.S.: A Design for a Residential Property.

Masters of Architecture

- Gerald Lynton Kaufman, B.Arch.: A Crematorium.
 Raymond McCormick Kennedy, B.Arch.: A Red Cross Collecting and Distributing Station.
 Henry Stern Kirchberger, B.Arch.: A Crematorium.
 Elton Rockwell Norris, B.Arch.: A Crematorium.

Masters of Civil Engineering

- Joseph Henry Ehlers, B.S., M.S. in C.E.: A Graphic Method of Arch Analysis Together with the Design of a Hingeless Steel Arch.
 Algernon Charles Irwin, B.S.: The Maximum Carrying Capacity of Iron and Steel Railroad Bridges.
 Carl Arthur McClain, B.S., C.E.: Efficiency Tests on the Pumping Machinery of the Ithaca Water Works, Ithaca, N. Y.

Masters of Mechanical Engineering

- Frederick Gottlieb Bænder, B.S. in M.E.: Power Plant Design.
 Charles Harold Berry, M.E.: The Operating Characteristics of the LeBlanc Vacuum Pump.
 Richard Edmund Brown, E.E.: Visual Factors in Illuminating Engineering.
 Charles Dudley Corwin, M.E.: Surface Combustion.
 Edgar Hutton, Dix Jr., M.E.: A Study of Certain Non-Ferrous Alloys.
 Charles Roy Reid, B.S. in E.E., E.E.: A Determination of the Most Desirable Source of Electric Power for a Small Town.

Doctors of Philosophy

- Raymond Russell Birch, B.S., D.V.M.: Hog Cholera Transmission Through Infected Pork.
 Thomas Benjamin Brown, A.B.: A Quantitative Investigation of the Kathodo-Fluorescence of Willemite.
 Frank Hewitt Cowles, Ph.B.: Gains Verres: A Historical Study.
 Marion Delia Crane, B.A., M.A.: The Principles of Absolutism in the Metaphysics of Bernard Bosanquet.
 Otis Freeman Curtis, A.B.: The Stimulation of Root Growth with Special Reference to the Formation of Roots in Cuttings.
 Joseph Vital DePorte, A.B., A.M.: Irrational Involutions on Algebraic Curves.
 William Delbert Funkhouser, A.B., A.M.: Biology of the Membracidae of the Cayuga Lake Basin.
 Frank Curtis Gephart, A.B., M.A.: Cost and Analysis of Ready-to-Serve Foods.
 Salem Shihadeh George, B.A., M.A.: The Judgment Scale and Attitudes.
 Willis Alexander Gibbons, A.B., A.M.: Heat of Dilution of Alcohol in Benzene.
 Kasson Stanford Gibson, A.B.: The Effect of Temperature upon Certain Absorption Spectra.
 Ira Myron Hawley, B.A.: A Study of the Insects Injurious to the Hop with Special Reference to the Hop Grub and the Hop Redbug.
 Delton Thomas Howard, A.B., A.M.: John Dewey's Logical Theory.
 Merlin Harold Hunter, B.A., M.A.: The Development of Corporation Taxation in the State of New York.
 Frank Hyneman Knight, B.S., M.A.: A Theory of Business Profits.
 Louis Melville Massey, A.B.: The Hard Rot Disease of Gladioli.
 Ruby Rivers Murray, A.B., A.M.: Diphenylterachlorophthalide and Some of Its Derivatives. A New Class of Phthaleins. Mixed Phthaleins from the Reaction of Parsoxybenzoylortho-benzoic Acid with Phenols.
 Andrew Theodore Rasmussen, A.B.: Blood Changes during Hibernation in the Woodchuck (*Marmota monax*).
 Allen Job Thomas, LL.B., A.B.: An Examination of the Principles Underlying Hobbes's Moral and Political Philosophy.
 James LeRoy Weimer, A.B.: Three Cedar Rust Fungi; Their Life Histories and the Diseases They Produce.

Doctors of Medicine

[Conferred June 7th, 1916, at the Eighteenth Annual Commencement of the Medical College in New York City.]

Alexander Altschul, B.S.
 Emir Alan Benner, B.S.
 Addison Hayes Bissell, Litt.B.
 Robert Stephen Cleaver, B.Sc.
 John Anthony Colucci, B.A.
 George Stuart Hackett, jr., A.B.
 Carl Clifford Harvey, B.S.
 Louis Hausman, B.A.
 William Vincent Healey, A.B.
 Eugenia Ingerman, A.B.
 Anna Kleegman, A.B.
 Arthur Furman Krætzler, B.S.
 Edward Augustus Lane, A.B.
 Nils Paul Larsen, B.S.
 Michael Joseph Lynch, B.S.

John Dooley Lyttle, A.B.
 Joseph Leo McGoldrick, A.B.
 Arthur Spaulding McQuillan, A.B.
 Henry Joseph Meister, A.B.
 Monroe Abraham Meyer, A.B.
 Attilio Milici, B.A.
 Charles Townsend Olcott, A.B.
 Theodore Byington Reed, Ph.B.
 Ezra Burt Sanford, A.B.
 Royal Francis Sengstacken, A.B.
 Louise Townsend, A.B.
 James Ford Trimble, A.B.
 Philip Layton Turner, B.S.
 Eleanor Van Ness Van Alstyne, B.S., Ph.D..
 Hudson J. Wilson, A.B.

DEGREES CONFERRED OCTOBER 11, 1916

FIRST DEGREES

Bachelors of Arts

Edwin Knowlton Coughran
 Edith Dean Fanning
 Francis Ford
 Ruth Imogene Gothard

John Phelps Harding
 Maud Alice Palmer
 Weyland Pfeiffer
 George Joseph Plehn
 Alden Bradford Sherry

Bachelors of Laws

Harold Rainsford Pouch

Charles Stenberg
 George Burnett Van Buren

Bachelors of Science

Charles Borgos
 Ebenezer Bull
 Albert Rankin Clark
 Frank Gerow Corregan
 Ramiro da Cunha Coutinho
 William Henry Doggett
 Harry Augustus Fricka Eaton
 Stuart Baker Emerson
 Morris Julius Escoll
 William Feller
 Karl Hermann Fernow
 Ernest Rudolf Forthoffer
 Louis Edwin Freudenthal
 Horace Clemmer Funk
 Dean Gamble
 Loren William Gebo

Edward Julius Gese
 Charles Hicks Graves
 Harding Fred Horton
 Henry Otis Howgate
 Harry Liehr
 Peter Alfred McAllister
 James Russell Mailler
 Herbert Mortimer Mapes
 Charles Louis Oswald
 Dorman Steele Purdy
 Richard Carl Adolph Reichle
 Mabel Madeline Spring
 Nathan Shiren
 Clarence Merle Slack
 Dorothy Amie Starkweather
 Carl Otto Weiss
 Chun Wong

Doctor of Veterinary Medicine

Bernard Clarence Meade

Civil Engineers

Gardner Philip Allen
 Frank Cesario

Harry Otto Korff
 Ying Lo
 George Washington Rapp, jr.

Mechanical Engineers

Benjamin Goodell Davidson

Thornton Wayne Howard

DEGREES CONFERRED OCTOBER 11, 1916

ADVANCED DEGREES

Masters of Arts

- Lanas Spurgeon Barber, B.S.: The Biology of the Golden Rod Gall Maker. *Gelechia Gallae solidaginis*.
 Alpheus W. Blizzard, B.S. Ed.: The Development and Morphology of Some Species of Gymnocarpous Agaricaceae.
 Mary Jones Fisher, A.B.: Investigations in the Anatomy of Angiosperm Flowers. 1. The Anatomy of the Flowers *Salix*. 2. The Anatomy of the Inferior Ovary in Certain Compositae.
 Anna Jane Hancy, A.B.: The Vascular Anatomy of Certain Ericaceous Flowers.
 Rollin Jerome LaFollette, A.B.: A Biological Study of the Currant Aphis (*Myzus Ribis* Linn.)
 Lora Almira Marsh, Ph.B.: The Reformer in Ibsen's Social Dramas.
 Jules Gabriel Proctor, A.B.: The Ethical Aspects of the Stoic Metaphysics.

Masters of Science in Agriculture

- Erford Lynn Banner, B.S.: The History and Development of Artificial Incubation.
 Benjamin Brickman, B.S.: A Study of the Stallion Registration Laws in the United States.
 Tien Tsai Chang, B.S.: A Study of the Value of Forage Crops for Growing Pigs.
 Clarence William Moore, B.S.: Studies in Sterility of Flowers.
 Cyrus Grammer Phillips, A.B.: An Agricultural Survey of Nebraska.
 Victor Heinrich Ries, B.S.: The History and Classification of the Cultivated Fibrous Rooted Begonias.
 Fredrick James Sutton, B.S. in Agr.: A Review of the Experimental Results of Fertilizers with Fruit Trees.
 John Budd Wentz, B.S.A.: The Distribution of Farm Crops as Influenced by Soils, Rainfall, and Temperature.

Master in Landscape Design

- Frederick Archibald Davis, B.S.: Fall Creek Gorge Woods. A Design for a Residential Property.

Doctors of Philosophy

- Ray Preston Bowen, A.B., A.M.: The Novels of Ferdinand Fabre.
 Johannes Petrus du Buisson, A.B., M.S.A.: The Extraction and Saturation of Soils with Volatile Antiseptics.
 Arthur John Heinicke, B.S. in Agr., M.A.: Factors Influencing the Abcission of Flowers and Partially Developed Fruits of *Pyrus Malus* L.
 William Kirk, A.B., M.A.: Equilibrium in Certain Binary Systems. A. Ferrous Sulphate, Ammonia. B. Sodium Sulphate, Ammonia.
 Dyer Barker Lake, B.S., M.S.: Studies in Dyeing and Cleaning.
 Adelbert Llewellyn Leathers, Ph.B. An Ecological Study of the Chironomidae with Special Reference to their Feeding Habits.
 Walter Hoge MacIntire, B.S., M.S.: The Carbonation of Burnt Lime in Soils.
 Edward Lawrence Mack, B.S.: Electrolytic Formation of Perchlorate.
 Arthur Benning Ray, B.A., M.A.: The Electrolysis of Solutions of the Rare Earths.
 Karl John Souike, B.S., M.S.: The Relation of Carcass Yields to Live Weight in Meat Producing Animals.
 Louis Ernest Wolkert, A.B.: The Rime Technique in the Poems of Reinmar von Zweter.

DEGREES CONFERRED FEBRUARY 9, 1916

FIRST DEGREES

Bachelors of Arts

- | | |
|-----------------------------|-------------------------|
| Charles Loring Allen | Mary Harriett McCormick |
| Mabel Catherine Bohall | Geneva Marguerite Mills |
| Frederick Theodore Comstock | Mark Raymond Riley |
| Ella Cosette Cornell | John Berdan Shepard |
| Gwendolen English | Lester Vogel Siegel |
| Allen Wescott Ford | Leon John Sivian |
| George Daniel Haupt | Harlow Tuttle |
| Carl Gilbert McConnell | Sidney Stevens Walcott |

Bachelors of Chemistry

- | | |
|------------------------|----------------------|
| William Biederman | Henry Conrad Diercks |
| Harold Phillips Wilson | |

Bachelors of Science

Albert Gillis Allen
 Job Lawrence Bacon
 George Hirst Bradley
 Henry Griggs Cameron
 Leroy Robert Carl
 Howard Joseph Curtis
 Werner William Eisele
 Felix Ferraris
 Walter Raymond Foley
 Frederick Vernon Foster
 Lilian Day Fuller
 Albert Hartzell
 Joseph McAlpin Hawkins
 Leonard Francis Hicks
 Dudley Armstead Johnson
 Joseph Krauskopf
 Ralph Krohn
 Arnold Gregory Landres

Pedro Calestino Lavadia
 Raymond Elliott Lawrence
 John Carl McKinney
 Emile Mardfin
 Guy Earl Matter
 Loren Joseph Mead
 Dudley Ray Meyer
 Carl Frederick William Muesebeck
 Richard Theodore Muller
 Laverne Samuel Phillips
 Henry Raymond Powell
 Percy J. Rayford
 Glen George Row
 Francis Grant von Magius Schleicher
 Charles Shuler
 Edmund Tripp Slinkard
 Warren Ira Trask
 Walter Julius Tubbs

William Dan Woolston

Doctor of Veterinary Medicine

George Sprague Skillman

Bachelors of Architecture

John Lakin Baldridge

Charles Edwin Kirkup, jr.

Civil Engineers

Mariano Cacho y Soriano
 Benjamin Flagler Foote
 William Howard Fritz, jr.

Paul King
 Ross Gerrette McClure
 Grover Edgar Rickard

Mechanical Engineers

Gerald Watson Hinkley

George Bradley Woodle

DEGREES CONFERRED FEBRUARY 9, 1916

ADVANCED DEGREES

Masters of Arts

Lyda May Degener, A.B.: The Development of Membrane Bones and Teeth in *Amiatus Calva*.
 Jacob Hyman Friedel, A.B.: The Life and Activities of the Clergy of the Established Church from the Revolution of 1688 to the Beginning of the Wesleyan Movement.
 Samuel Alexander Goldberg, D.V.M.: The Structural Changes that Occur in Certain Non-Specific Inflammations of Joints.
 Charles William Honess, A.B.: Studies in the Upper-Devonian Lower Carboniferous Strata of the Appalachian Sea.
 Catharine Elizabeth Koch, B.S.: The Landscape Functions of Some Wild Marsh Plants.

Masters of Science in Agriculture

Gustave Frederick Heuser, B.S.: A Study of the Mating Behavior of the Domestic Fowl.
 Roland Harrison Patch, B.S.: A Study of the China Aster, *Callistephus hortensis*, Cass.
 Walter Miller Peacock, B.S.: Factors Influencing the Cost of Potato Production in Clinton and Franklin Counties, New York.
 Clifford Boynton Savage, B.S.A.: The Keeping Quality of Fruits.

Masters in Forestry

Franklin Roderick Fielding, B.S.: A Silvicultural Study of Hard Maple with Special Reference to the F. A. Cutting Tract in the Adirondacks.
 Thomas Patrick Maloy, B.S.: Treatment of Cut-Over Forests in the Adirondacks with Particular Reference to the F. A. Cutting Tract, St. Lawrence Co., N. Y.
 George Adam Spamer, B.S.: Seed Production of Forest Trees.

Master of Civil Engineering

Charles Maria Weber, B.S. in C.E., C.E.: The Influence of Roughness of Up-Stream Face on the Flow of Orifices and Weirs.

Frederic Corss Church, A.B.: Boniface Amerbach and his Circle.
Harold Walter Elley, B.Sc., M.A.: Pressure, Temperature, and Concentration Relations in the System Ammonia, Ammonium Picrate.
William Carlyle Etheridge, B.S., M.S., M.S. in Agr.: A Classification of the Cultivated Varieties of Oats.
Austin Patterson Evans, A.B.: The Sectaries at Nuremberg, 1524-1528.
Harley Earl Howe, B.S. in Ed., M.A.: A Study of the Ultraviolet Absorption Spectra of some Derivatives of Fluoran and of Diphenylphthalide.
John Joseph Kennedy, B.Chem.: Nitration Products of Phenolte-trachlorophthalein and of Tetrachlorofluoran and Some of Their Derivatives.
Peter Andrew vander Meulen, B.Chem.: The Fractional Electrolysis of the Rare Earths.
Arthur Jackson Mix, A.B.: Studies on the Sun Scald of Fruit Trees.

First Prize.....	Monroe Abraham Meyer
Second Prize.....	Arthur Spaulding McQuillan
Third Prize.....	Anna Kleegman

First Prize.....	Charles Townsend Olcott
Second Prize.....	Robert Stephen Cleaver

Captain John Kenning Stotz
Captain Norman Wesley Suiter
Captain Harold Taylor Sutcliffe
Captain David Warshaw

First Prize.....	Edward Henry Herzer
Second Prize.....	Charles Howard Landon
Third Prize.....	John George Gates
Fourth Prize.....	Ralph Osgood Compton
Fifth Prize.....	Juan José Ruiz

First Prize.....**Marion Edwin Dennington**
Second Prize.....**David Bennett Hill Dalrymple**

James Gordon Bennett Prizes (Veterinary College)..... } **Frederick Conrad Clark**
 } **William Michael Long**

The Hollingworth Honorarium of Research (Veterinary College)	Julius Stotchik
The Fuertes Memorial Prizes in Public Speaking:	
First Prize	Harold Leslie Hock
Second Prize	Leslie Verne Lacy
The Corson French Prize	Charlotte Helen Pekary
The Luana L. Messenger Memorial Prize	Paul Berwig Schumm
The Stewart Prizes (Agriculture College):	
First Prize	Harry Alfred Titsink
Second Prize	Lloyd Campbell Brown
Third Prize	Carlton Lee Hallock
Fourth Prize	Walter Jourdan Rapp
The George Chapman Caldwell Prize in Chemistry	Charles Gasner Stupp
The Graduate Prize in Philosophy	Ellen Baxter Armstrong
The J. G. White Prizes in Spanish:	
First Prize	Robert Edgar Bussey
Second Prize	Pauline Joseph Gonzalez
Student Medal of the American Institute of Architects	Ellis William Beck
Charles Goodwin Sands Memorial: (Architecture College):	
First Medals	Gerald Lynton Kaufman, Raymond McCormick Kennedy
Sherman-Bennett Prize	William Dudley Smith
J. T. Morrison Prizes	{ Jacob Gould Schurman, Jr. Archibald Oboler

STUDENTS IN RESIDENCE, DECEMBER 1, 1916

Abbreviations. The colleges are designated in the list of students as follows; Arts and Sciences, A; Agriculture, Ag; Architecture, Ar; Civil Engineering, C; Law, L; Mechanical Engineering, M; Medical, M. D.; Veterinary, V. Graduate Students are indicated by Grad; Special Students by Spec. The number e. g. "1917," "1918", etc., indicates the year of expected graduation.

Abbott, George Maurice	1919 A	Boston, Mass.
Abbott, Robert Duane	1917 A (Chem)	Elmira
Abbott, Ruth Burleigh	1920 A	Phoenix
Abbott, Sara Dukehart	1918 Ag	Baltimore, Md.
Abbuhl, Agnes Marion	1920 Ag	Greene
Abbuhl, Elizabeth May	1917 Ag	Greene
Abel, Paul Louis	1917 A	Buffalo
Abell, Max Flavel B. S.	Grad	Phoenix
Aborn, Benjamin, 2d	1918 Ag	Amagansett
Abrahams, Jacob	1920 A (Chem)	Brooklyn
Abrahams, Simon Meyer	1920 Ag	Brooklyn
Abramson, Charles	1917 L	Bayonne, N. J.
Abreu, Francis Louis	1920 Ar	Newburgh
Acheson, Alexander Glencairn	1917 Ar	Ardsley-on-Hudson
Acker, Ernest Reynolds	1917 M	Ossining
Acker, George Haigh	1920 M	Rochester
Acker, Leonard	1919 A	Poughkeepsie
Ackerknecht, Clarence Ferdinand	1918 A	Johnstown
Ackerly, Charles Edwin	1920 A	Cuba
Ackerman, James Pierson	1918 A	Edmeston
Acomb, Helen	1920 Ag	Dansville
Adams, Claribel Josephine	1918 Ag	Chicago, Ill.
Adams, Flora	1920 M.D.	Hackensack, N. J.
Adams, Harold Biscoe	1920 M.D. (N. Y. C.)	New York City
Adams, Helen Lucinda	1917 Ag	Holcomb
Adams, Huldah Ellen	1917 A	Silver Bay
Adamson, William Augustus, A.B.	Grad	Hapeville, Ga.
Addams, William, Jr.	1917 C	Cynthiana, Ky.
Addonizio, Joseph Frank	1919 A	New York City
Adelman, Arthur	1920 A	Brooklyn
Adelmann, Howard Bernhardt	1920 A	Buffalo
Adler, Erna	1919 A	New York City
Adler, Milton	1919 Ag	Brooklyn
Adriance, William Allen, jr.	1919 Ar	New York City
Agaton, Anacleto	1919 A	Nueva Ecija, P. I.
Ahrens, Walter William	Spec L	Brooklyn
Aierstok, Leonard Gutekunst	1917 L	Newark, N. J.
Aierstok, William Matthias	1918 A (Chem)	Newark, N. J.
Aikin, Arthur Coldren	1918 Ag	Sanborn
Aikins, John Roberts	1921 M	Buena Vista, Pa.
Aimer, James King	1919 Ag	Brooklyn
Ainsworth, Oliver Morley, B.S.	Grad	Campbell
Airey, Esther	1919 A	Buffalo
Akehurst, William Delamere	1919 Ag	Otselic
Albertson, Mary Susan	1917 Ag	Delaware, N. J.
Albright, Marian Ruth	1919 A	Canandaigua
Albro, Homer Bodman	1917 A	Oak Park, Ill.
Alcus, Felix Leiser	1920 M	New Orleans, La.
Alden, Spencer Thornedyke	1918 Ag	Fort Wayne, Ind.
Aldrich, Harry Lucius, jr.	1919 C	Denver, Col.
Aldrich, Howard Seth	1920 Ag	Fredonia
Aldrich, Nathan Everett	1919 Ag	Fredonia
Aldrich, Ruth Imel	1920 A	Fredonia
Aldridge, Arthur McKinley	1920 M	Victor
Aldridge, Harvey Carlton	Spec Ag	Victor
Alexander, Charles Paul, B.S.	Grad	Gloversville
Alexander, Walter Auber	1919 C	Jamaica
Alexander, William Prindle	Spec Ag	Gloversville
Alfke, Frederick Henry	1918 Ag	New York City
Allan, Kenneth Tompeon	Spec Ag	Ithaca
Allanson, Henry Emil	1917 Ag	Ithaca
Allanson, Roy	1920 Ag	Ithaca
Allbright, John Glover	1917 M	Chicago, Ill.
Allbright, Norman Jacobs	1920 A	Chicago, Ill.
Allen, Byron Augustus	1918 Ag	Sprakers
Allen, Charles Ethan, A.B.	Grad	Orleans, Ind.
Allen, Charles Loring, A.B.	Grad	Brodhead
Allen, Charles Wheaton	1919 M	Aurora, Ill.

Allen, Edwin Woodward	1920 M	Chatham, N. J.
Allen, Elsie Guerdrum, A.B.	Grad	Ithaca
Allen, Eugene Wex	1920 Ar	Buffalo
Allen, Fern Litchard	1920 A	Hornell
Allen, Hilda Wood, A.B., A.M.	1917 M.D. (N. Y. C.)	New York City
Allen, Howard George	1920 M	Albion
Allen, Margaret May, A.B.	Grad	Interlaken
Allen, Milford Seth	1920 A	Plattsburg
Allen, Reginald Holcomb	1918 Ag	Ithaca
Allen, Raymond Peck	1920 A	Lima
Allen, William Ray, A.B., A.M.	Grad	Hartford City, Ind.
Allis, Ethel Elizabeth	1919 Ag	Ithaca
Allis, Selden Pierson	1918 M	Macedon
Aloe, Arthur	1919 A	Philadelphia, Pa.
Alspach, Evelyn Marguerite	1917 A Grad	Philadelphia, Pa.
Althouse, Samuel Leinbach	1920 Ag	Sellersville, Pa.
Altman, Benjamin	1920 C	Brooklyn
Alward, Elizabeth	1918 Ag	Buffalo
Ambler, Alice Hannah	Spec Ag	Plymouth Meeting, Pa.
Ames, Freda Corrine	1918 Ag	Norwich
Andersen, Albert Gardner	1918 Ag	New York City
Anderson, Carl Albert	1921 M	Bethel, Conn.
Anderson, Edward Ewen	1917 A	Washington, D. C.
Anderson, Ernest Gustaf, B.Sc.	Grad	Concord, Neb.
Anderson, James Aylor	Spec C	Linden, Va.
Anderson, Karl Brooke, B.A.	Grad	Richmond, Va.
Anderson, Kenneth Smith	1920 Ar	Albany
Anderson, Lola	Spec Ag	North Augusta, S. C.
Anderson, Paul Eugene	1919 M	Watervliet
Anderson, Raymond Terhune	1920 A	Shreveport, La.
Andrae, William Cook, M.E.	Grad	Baltimore, Md.
Andreas, William Franklin, jr.	1920 Ar	Millville, N. J.
Andrews, James Ward	1917 A	Innwood
Andrews, Sophie Townsend, A.B., A.M.	1919 M.D. (N. Y. C.)	New York City
Andrews, William Alexander	1917 A	Huntington
Andrews, William Angell	1919 C	Grand Haven, Mich.
Andrews, William Kossuth, jr.	1921 M	Roanoke, Va.
Angell, Stanley Jewett	1918 Ag	Mt. Upton,
Angus, Albert Stuart	1918 A	Brooklyn
Antell, Henrik	1917 A	Brooklyn
Antell, Morris	1917 Ag	Brooklyn
Antonelli, Peter	1919 M	Chicago, Ill.
Apfel, Amy Ruth	1920 A	Brooklyn
Apfel, Samuel Joshua	1918 A	New York City
Appleby, John Lockman	1920 A	Glen Cove
Archibald, Walter Douglas	1920 A	New York City
Ariewitz, Samuel	1919 Ag	New York City
Armas, Aquiles	1917 Ag	Trujillo, Peru, S. A.
Armbruster, Frederick Wm.	1918 M	Irondequoit
Armstrong, George Edward	1920 M	Pittsburgh, Pa.
Armstrong, James Blanchard	1921 M	Schenectady
Armstrong, Walter Earnest	1920 L	Owego
Arnett, Ross Harold	1917 V	Knowlesville
Arnold, Anne Parker	1918 A	Montello, Mass.
Arnold, Lawrence Moss	1918 A	Seattle, Wash.
Arnold, Thomas Joseph	1919 Ag	Ithaca
Aronson, Julia	1917 Ag	Brooklyn
Aronstam, Joseph	1917 Ag	New York City
Arosemena, Pabjo Constantino	1920 Ag	Panama, Panama
Arp, Louis Croft	1919 M	Moline, Ill.
Arter, Chester LeRoy	1920 M	Williamsport, Pa.
Artschwager, Ernst Frederick, B. S.	Grad	Linkuhausen, Germany
Ashbaugh, Virgil John	1917 Ag	Brookings, S. D.
Ashley, Burton Marshall	1920 Ag	New Bedford, Mass.
Ashley, Wells Hine	1920 C	Ashtabula, Ohio
Ashton, Deyoe Lohnas	1919 L	Saratoga Springs
Ashwood, Jack	1917 A (Chem)	Gouverneur
Askin, Seymour Rosenbloom	1920 L	New York City
Astry, Perry D.	1918 C	Salem, O.
Athana, George Estrate	1920 M	Bronxville
Athoe, Harold William	1920 L	Ridgeway, Ont., Canada
Atwood, Allen Albert	1917 L	St. Cloud, Minn.
Atwood, John Cowan, jr.	1920 M	Ferguson, Mo.
Aubert, Francis	1918 M	Mexico City, Mex.
Augenblick, Jacob	1918 A	Newark, N. J.
Augur, Tracy Baldwin	1917 A	Brooklyn
Ausman, Edith May	1918 A	Herkimer
Austin, German LeRoy	1919 Ag	Glens Falls
Austin, Henry Kiske White	1918 A	Ithaca
Austin, Stafford Lapham	1919 Ag	Hawi, Hawaii

Avant, Louise	1919 A	New York City
Avery, Volney Amos Sanford	1918 Ag	Ferrisburg, Vt.
Ayars, David Preston, jr.	1919 M	Wilkes-Barre, Pa.
Ayau, Manuel Samayoa, jr.	1917 M	New York City
Ayer, Silas Hibbard, jr.	1917 A	Ithaca
Babcock, Delotus Henry	1918 Ag	Springville
Babcock, Howard Parkhill	1917 A	Hornell
Babcock, Norman Clark	1918 A	Hornell
Babor, Rudolph Joseph	1918 Ag	New York City
Bachkoff, Jacob	1919 C	New York City
Bacon, Roland Henry	1918 M	Rochester
Badanes, August	1918 A (Chem)	New York City
Badenhausen, Carl William	1917 M	Stapleton
Badenhausen, Otto August	1917 A (Chem)	Stapleton
Backeland, George Washington	1920 A	Yonkers
Baer, Walter Arthur	1920 M	Paterson, N. J.
Baer, Walter David	1920 M	Pittsburgh, Pa.
Baerg, William J., A.B.	Grad	Ithaca
Bahney, Robert Hubbard	1917 M	Massillon, O.
Bahret, Henry Gustave	1917 Ag	Poughkeepsie
Baier, Nathan	1920 C	New York City
Baildon, John Karl	1917 Ag	Marlboro
Bailey, Austin, A.B.	Grad	Ithaca
Bailey, Clifford Sherwood	1918 A	Ithaca
Bailey, Elmer James	1918 Ag	Rochester
Bailey, Fay Cook	1919 A	Canton
Bailey, Frederick Eugene	1918 L	Hammondsport
Bailey, Morrison Kyle	1920 Ar	Lakewood, O.
Bailey, Roger	1920 Ar	Jamestown
Bailor, Winifred Georgie	1920 Ag	Brookton
Baird, George White	1920 Ar	Southampton
Baker, Alton Fletcher	1917 A	Gates Mill, O.
Baker, Andrew Alvord	1919 Ag	Freeville
Baker, Charles Nott, jr.	1919 L	Selkirk
Baker, David Wright	1919 A	Dunkirk
Baker, Harold	1917 Ag	Montclair, N. J.
Baker, Louise Eugenie	1919 A	Ithaca
Baker, Lucinda Monica	1919 Ag	Fond du Lac, Wis.
Baker, Thomas Alexander, B.S.	Grad	Ithaca
Baker, Virginia, A.B.	Grad	Baltimore, Md.
Baker, Walter	1917 M	Jena, La.
Balch, Walter Buswell	1918 Ag	Lansdowne, Pa.
Balcom, Samuel Balcombe	1920 Ag	Bath
Baldelli, Zeno	1920 Ag	Corona
Baldwin, Charles Goddard, jr.	1917 M	Syracuse
Baldwin, Dane Lewis, A.B., M.A.	Grad	Ithaca
Baldwin, Lee Augustin	1920 A	Brooklyn
Baldwin, Mabel Gingell	1917 Ag	Wyoming, Pa.
Baldwin, Marion Moore	1919 Ag	Potsdam
Baldwin, Maurice Burton	1918 Ar	Springfield, Mo.
Baldwin, Warner Frank	1919 Ag	Ithaca
Balenzweig, Irvin	1918 M.D. (N. Y. C.)	New York City
Ball, Dorcas Janette	1918 A	Ithaca
Ball, Harold Appleton	1919 M	Wayne, Pa.
Ball, Thomas Mueller	1920 M	Detroit, Mich.
Ball, William Hudson	1918 A (Chem)	Muncie, Ind.
Ballantine, Herbert Wilgus	1918 A	New York City
Ballard, Donald Duncan	1918 M	Baltimore, Md.
Ballard, Raymond Griswold	1919 Ag	McLean
Balliett, Dorothy Alice	1919 Ag	Mansfield, O.
Ballou, Hosea Cushman	1920 A	New York City
Balser, Lewis Fishburn	1917 C.	Harrisburg, Pa.
Baltzer, Howard Albert	1920 A 1920 L	Hamburg
Bancel, Alfred Fernand	1917 M	New York City
Bancroft, Mary Warner	1918 A	Ithaca
Banghart, Edgar Schuyler	1919 M	Binghamton
Banker, Jerrie Ostrander	1918 Ag	Plattsburgh
Banks, David Houser	1918 M	St. Matthews, S. C.
Banks, Davies Kirkland	1917 M	St. Matthews, S. C.
Banks, Frederic William	1918 M	Newburgh
Banks, Josephine	1919 A	Ithaca
Banta, Charles Haney	1919 Ag	New York City
Barber, Lillian Victoria	1917 A	Westfield
Barber, Ralph Spangler	1917 M	Joliet, Ill.
Barclay, Alexander James	1920 A	Ardenia
Bard, George Philip	1917 V	Leacock, Pa.
Bard, James Mackey	1920 Ag	Pleasantville
Barger, Mahley Wilson	1919 A	Danville
Barthall, Roy Edgar	1921 M	New Orleans, La.

Barker, Merritt Lull	1920 Ag	Norwich
Barnason, Charles Frederick, A.B.	Grad	Brooklyn
Barnes, Donald Dudleston	1919 M	New York Mills
Barnes, Frank Edward, A.B.	1919 M.D.	Brooklyn
Barnes, Hobert Winship	1917 A	Detroit, Mich.
Barnes, Morris	1918 C	Brooklyn
Barnes, Robert Gilbert	1918 M	Douglaston
Barnwell, Florence O'Neill	1917 A	Plandome
Barr, James Jacob	1918 Ag	Lancaster, Pa.
Barr, Joseph Sydney	1918 A	Ithaca
Barr, Samuel Max	1917 M	Brooklyn
Barr, William Morrison	1920 Ag	Washington, D. C.
Barra, Frederick	1920 Ag	New York City
Barrett, Charles	1917 M	Bellevue, Pa.
Barrett, Joseph William	1920 A	Chester, Pa.
Barrett, Willard Riehlman	1920 A (Chem)	LaFayette
Barrett, Winnie Mae	1920 Ag	Binghamton
Barrington, Edmund Shultz	1919 A	Ithaca
Barros-Hurtado, Guillermo, B. H.	1919 Ag	Santiago, Chile
Barstow, Mary Eleanor	1918 A	Ithaca
Barthel, Else Anna Sophie, B.S.	1919 M.D.	New York City
Bartlett, Maud Clover	1918 A	Fulton
Bartlett, Willard John	1920 A (Chem)	Galeton, Pa.
Bartolicius, Ludwig William	1917 M	New York City
Barton, George Titus	1917 C	Montour Falls
Bartsch, Walter Christian	1917 Ag	Jersey City, N. J.
Bascom, Wade Lyman	1918 Ag	Farmdale, O.
Bashein, Meyer David	1917 Ag	New York City
Baskerville, Charles, jr.	1919 Ar	New York City
Bason, George Francis, B.E., M.E.	Grad	Ithaca
Bassett, Harold Rhodes	1918 C	Holyoke, Mass.
Bassett, James Wellington	1918 A (Chem)	Coopers Plains
Bassett, Samuel Hopkins	1920 A	Colemans Station
Bassler, Robert Edward	1917 C	Brooklyn
Bateman, Frank Brace	1919 A	Grenloch, N. J.
Bateman, Margaret Louise	1919 A	Champlain
Bates, Juanita	1917 A	Ithaca
Batjer, Henry Huntington	1917 C	Abilene, Texas
Batten, Esther Mary	1917 Ag	Ithaca
Batts, Walter Harold	1919 A	Grand Rapids, Mich.
Baughner, Thomas LeRoy	1918 A	Baltimore, Md.
Baumeister, Charles	1918 Ag	New York City
Baumgartner, Edward Frank	1919 Ag	Geneva
Bayard, Frances Martin	1919 M	Woodbine, N. J.
Bayle, Francis Lawrence	1919 M	Glens Falls
Bayless, Bourke Hamilton, A.B.	Spec Ag	Claremore, Okla.
Baylinson, Harry Alexander	1920 Ag	New York City
Beach, Irving Tracy	1917 A (Chem)	Buffalo
Beakes, Mahlon Henry	1919 Ag	New York City
Beale, David	1917 C	Wellesley Hills, Mass.
Beals, Harlo Peabody	1919 Ag	Wayland
Beals, Helen	1919 A	Worcester, Mass.
Bean, Allan Russell	1920 Ag	McGraw
Bean, Merton Russell	1918 Ag	McGrawville
Bean, Ward C., B.S.	Grad	Zearing, Ia.
Beard, Reba Lizzette	1918 Ag	Harrisonburg, Va.
Beardsley, Arland Frederic	1920 Ag	Trumansburg
Beardsley, Wallace Pearne	1920 Ar	East Orange, N. J.
Beattie, William Hamlin	1918 M	Greenville, S. C.
Beaumont, Arthur Bishop, B.S.	Grad	Ithaca
Bechtel, Albert Reiff, B.S., A.M.	Grad	Royersford, Pa.
Beck, Charles Blanchard	1919 A	Chicago, Ill.
Beck, Charles Seidles	1917 C	Pittsburgh, Pa.
Beck, Daniel H.	1919 M	Beaver, Utah
Beck, Ellis William, B.Arch.	Grad	Jamestown
Beck, Martin Grinnell	1920 Ag	Aurora
Beck, Robert J., A.B.	1920 M.D.	Columbia, N. J.
Beck, Russell Sheppard	1917 Ag	New York City
Becker, James Herman	1917 A	Chicago, Ill.
Becker, Joseph Adam	1918 A	Elmont
Becker, Julia Ernestine	1918 Ag	Baltimore, Md.
Bedell, John Reginald	1919 C	Valley Falls
Beegle, Clifford Heath	1919 M	Beaver Falls, Pa.
Bechler, Albert	1917 A	Baltimore, Md.
Beeler, Charles Fox	1920 M	Hamilton, O.
Beer, Karl Fraser	1919 M	Fitchburg, Mass.
Beers, Newell Emmett	1919 Ag	Morrisville
Beggs, Alan Hendrie	1918 M	Glen Ridge, N. J.
Beggs, Eugene William	1919 A (Chem).	Glen Ridge, N. J.
Behr, Leo	1918 M	Brooklyn

Behrends, Frederick Gardner, B.S.	Grad	Brooklyn
Behrmann, John Henry	1918 Ag	Kiel, Germany
Beiermeister, James McPherson	1920 Ag	Troy
Beifeld, Robert Siegmund	1917 A	Chicago, Ill.
Belcher, Harold Stewart, A.B.	1920 M.D.	Far Hills, N. J.
Belden, Daniel Stanton	1917 A (Chem)	Norwich
Belden, Louise Fuller	1919 A	Fredonia
Bell, Archibald Douglas	1917 A	Hillsdale
Bell, Caroline Victoria	1917 A	Ithaca
Bell, Enid Rose, A.B.	Grad	Jacksonville, O.
Bell, Helen Florentine, B.A.	1917 Ag	Bristol, Pa.
Bell, James Stultz	1920 M	Altoona, Pa.
Bell, Josephine, A.B.	Grad	Ben Avon, Pa.
Bell, Katharine Raynolds	1917 A	Ithaca
Bell, Raymond William	1920 Ag	Brasher Falls
Beller, Jerome Harold	1918 A (Chem)	Buffalo
Bellis, Bernard	1919 Ag	New York City
Bellis, William Cornish	1917 M	Atlantic City, N. J.
Bemis, Lloyd Edward	1920 C	Chicago, Ill.
Bemus, William Jotham	1919 M	Bemus Point
Bend, William Isidor	1920 Ag	Brooklyn
Bender, Charles Vernon	1918 A	Muncie, Ind.
Benedict, Horace Guion	1919 C	Roselle, N. J.
Benedict, Lewis, jr.	1918 Ag	Attica
Benedict, William Henry	1920 L	Roselle, N. J.
Bengtsson, Otelia Josephine	1919 A	Ossining
Benisch, Henry John	1920 C	Brooklyn
Benjamin, Everett Farrington	1917 A	Riverhead
Benjamin, Foster Hendrickson	1918 Ag	Ithaca
Bennader, Emma Margaretha	1918 Ag	Lodi, O.
Bennett, Curtis Burnam	1919 C	Richmond, Ky.
Bennett, Harold Selden, A.B.	Grad	Ithaca
Bennett, Ralph Stamp	1918 C	Ithaca
Bennett, Ross Garrison	1918 A	New York City
Bennett, William Dexter	1917 Ag	Philadelphia, Pa.
Bennett, William Sabin, jr.	1919 L	Cody, Wyo.
Benson, Charles Beverley	1917 C	Brooklyn
Benson, John Phineus, B.S.	Grad	Ithaca
Benson, Keith William	1920 A	Sterling, Ill.
Benson, Walter Van Ness	1917 C	Chatham
Bentley, Harold Perkins	1918 M	Cazenovia
Bentley, Louise Clift	1918 A	Brooklyn
Benton, George Alden, jr.	1919 A	Spencerport
Benton, Millard Warren	1919 L	Cortland
Bergen, Veeder	1917 Ag	Trumansburg
Berger, Sidney Alexander	1918 Ag	New York City
Berger, Solomon, A.B.	1917 M.D. (N.Y.C.)	Elmira
Berglas, Jacob Benjamin	1919 A	Brooklyn
Bergstein, Samuel	1920 Ag	Brooklyn
Berkeley, Florence	1919 Ag	Brooklyn
Berkoff, Harry Sidney	1919 A	New York City
Berkowitz, Hyman	1917 A	Brooklyn
Berkowitz, Morris	1920 A	Brooklyn
Beris, Amanda Katherine	1917 A Grad	New York City
Beris, Magdalena Olga	1919 Ag	New York City
Berman, Herman	1917 C	Brooklyn
Bernhardt, Isidor Harold	1918 Ag	Brooklyn
Bernstein, Frieda May	1918 A	Spring Valley
Berston, James Lewis	1918 A (Chem)	Yonkers
Bertoncini, Charles Francis	1920 C	Panama, Panama
Bertran, Juan Manuel	1918 C	Humacao, Porto Rico
Besemer, Arthur Merle, B.S.	Grad	Ithaca
Best, Gerald Martin	1918 M	Port Jervis
Bettcher, Edward Stephens	1919 Ag	Denver, Col.
Betta, Franklin Furman	1917 Ag	Philadelphia, Pa.
Beveridge, James Murray	1920 M	Mt. Vernon
Beyer, Benjamin Wesley, jr.	1920 M	Cincinnati, O.
Bickwit, Leonard	1918 A	Brooklyn
Bick, Harold Neilan	1917 M	Brooklyn
Bick, Henry, jr.	1918 L	Brooklyn
Biederman, Edwin Williams	1919 Ag	Brooklyn
Biederman, Martin	1919 A (Chem)	New York City
Biehack, Ferdinand Carl Rex	1920 Ag	Jamestown
Bienenstock, Joseph	1917 Ag, 1919 V	New York City
Bigelow, Claude Myron	1920 M	Penn Yan
Bigelow, Phelps Edward	1921 C	Bloomingtondale
Biggs, Carl Hatheway	1918 A	Ithaca
Bilharét, Byron Marion	1920 Ag	Ithaca
Biliaga, William Arthur	1917 V	Rochester
Bison, Sel, B.S.	1919 M.D.	New York City

Bingham, Samuel Herbert, jr.	1918 A	Highland Park, Ill.
Bingham, William Edward, M.A.	Grad	Toronto, Canada
Binks, William Thomas	1917 M	Rome
Binns, Elston Voorhees	1920 Ar	Elizabeth, N. J.
Binswanger, Samuel Emanuel	1918 Ar	Richmond, Va.
Bird, Royal Gould, B.S.	Grad	New York City
Birkholz, Chester Robert	1920 Ag	Colonia, N. J.
Birthingright, Milton Parkins	1920 C	Washington, D. C.
Bisbee, Clarence Arthur	1920 A	Waitsfield, Vt.
Bishop, George King	1919 M	Cleveland, O.
Bishop, Homer Guy, B.S., M.S.	Grad	Ithaca
Bishop, James Harold	1919 Ag	Elmira
Bissell, Chester Wright	1919 A (Chem)	Brooklyn
Bissett, John Vail, B.S.	1918 M.D.	New Brunswick, N. J.
Bitker, Bruno Voltaire	1919 A	Milwaukee, Wis.
Bitner, Ralph Emerson, B.S., M.S.	Grad	Center Hall, Pa.
Bixler, Donald Floyd	1920 M	Easton, Pa.
Black, Charles Eli	1918 Ag	Yonkers
Black, Frank Edward	1919 M	Baltimore, Md.
Black, Frederic Wallace, M.D.	Spec M.D.	Huntingdon, Pa.
Blackberg, Solomon Nathan	1918 V	Brooklyn
Blackburn, Paul Vincent	1919 A (Chem)	Conneaut, O.
Blackburn, Walter Gerard	1919 A (Chem)	Yonkers
Blackman, John William, jr.	1917 Ag	New York City
Blackman, William Jackson	1917 A	Brooklyn
Blair, Charlton George	1920 Ag	Buffalo
Blair, Howard Emmons	1918 Ag	Phelps
Blair, Milo Karl	1919 M	Hallstead, Pa.
Blair, William Mitchell	1918 A	Chicago, Ill.
Blake, Elizabeth Wilson	1920 Ag	Washington, D. C.
Blake, Frederick Horace, jr.	1917 Ag	Omaha, Neb.
Blaker, (Mrs.) Adelaide Cornell	1919 Ag	Ithaca
Blanchard, John David	1920 A	Groton
Blanchard, Merrill	1918 M	Evanston, Ill.
Blanchard, Ralph Harris	1917 A	Niagara Falls
Blanche, Herbert Martin	1920 Ag	Ithaca
Blanke, Donald Cutler	1920 M	Greenwich, Conn.
Blau, Jerome Leland	1917 A	Newark, N. J.
Blau, Nathan	1918 V	Ithaca
Blauvelt, Charles Doughty	1920 Ag	Brooklyn
Blauvelt, Louisa Simpson	1919 Ag	Canajoharie
Blazey, Byron Charles	Spec Ag	Victor
Bleakley, Paul Lataunt	1920 L	Yonkers
Bleecker, Winthrop Gilman	1920 M	New York City
Bleiman, Gladys Katherine	1919 A	New York City
Blew, William Henry	1919 M	Niagara Falls
Blewett, William Edward, jr.	1918 M	Glen Ridge, N. J.
Blinn, Alice May	1917 Ag	Candor
Bliss, Frank Clifford	1917 Ag	Cooperstown
Bliss, Rodney Moore	1919 A	Cleveland, O.
Bliss, William Carter	1917 M	St. Louis, Mo.
Blodgett, Boyd Abram	1917 Ag	Fredonia
Blodgett, Helen Matilda	1920 Ag	Dunkirk
Blodgett, Lewis Alderman	1919 A	Corning
Blodgett, Mary Catherine	Spec Ag	Rushville
Bloom, Dora Ruth	1919 A	Paterson, N. J.
Blourock, Leo	1919 Ag	Brooklyn
Blowers, Irma Kathryn	1920 A	Westfield
Blue, Edward Browning	1919 M	Pittsburgh, Pa.
Blum, Samuel	1918 Ag	New York City
Blumberg, Ralph, A.B.	1919 M.D.	Brooklyn
Blumenthal, Joseph	1919 A	New York City
Blundon, J. Paul, B.S. (C.E.)	1918 C	Riverdale, Md.
Blydenburgh, George Theron, B.S.	1918 M.D.	Richmond Hill
Boardman, Don Arol	1918 V	Springville
Boardman, Emma Irene, A.B.	1919 M.D.	Springfield, Mass.
Bobker, Harry	1918 C	Brooklyn
Bock, George Frederic	1918 A	Lancaster
Bock, Josef Carl	Grad	Brooklyn
Bocker, Dorothy, B.S., M.A.	1919 M.D.	New York City
Bockes, Leslie Colton	1918 A	Freeville
Bockhoff, Harry William	1920 M	Richmond, Ind.
Bockius, George Hamlin	1917 M	Canton, O.
Bodansky, Aaron, B.S.	Grad	Ithaca
Bodansky, Meyer	1919 A	New York City
Boehm, Arthur Bruce	1919 M	Robinson, Md.
Bogart, Harold Elmer	1918 A	New York City
Bogdahn, Ernst Franz	1918 Ag	Troy
Bogdahn, William Hermann	1920 Ag	Troy
Boggis, Henry Parsons	1917 M	Cleveland, O.

Bogue, Norman Dorr	1918 Ag	Pittsford, Vt.
Boles, Charles Dwight	1918 A	Woodhaven
Bole, Harry Spencer	1917 Ag	East Hardwick, Vt.
Bole, Lyman Watts	1919 Ag	East Hardwick, Vt.
Bolgiano, Charles Walton	1918 Ag	Washington, D. C.
Bolgiano, Joseph Walton	Spec Ag	Towson, Md.
Bollinger, Howard Foster	1918 A	Millerstown, Pa.
Bollinger, Ralph Leo	1921 M	Pittsburgh, Pa.
Bollman, George Hubert	1917 M	Kansas City, Mo.
Bolton, Ernest Walling	1920 Ag	Oneonta
Bomeisler, Charles McKaraher	1917 M	East Orange, N. J.
Bonaguro, Alphonse	1919 C	Brooklyn
Bond, Lyman Ormsbee	1920 Ag	Port Henry
Bonforte, John Baptiste	1920 Ag	Brooklyn
Bonner, Henry Montague, M.D.	Spec M.D. (N.Y.C.)	New Berne, N. C.
Bonnett, Earl Cluff	1918 A	Provo, Utah
Bonoff, Harold Charles	1918 A	Brooklyn
Boochever, Florence	1918 A	Albany
Bool, Helen Grace	1919 Ag	Ithaca
Boorstein, Isadore Harris	1920 A	Bayonne, N. J.
Booth, Arthur Earle	1919 A	Perth Amboy, N. J.
Booth, Harold Simmons, A.B., A.M.	Grad	Cleveland, O.
Boothroyd, Harold Cairns	1919 A (Chem)	Newburgh
Borach, Jacob Lebowitz	1920 V	New York City
Borchers, Harry Jacob, jr.	1920 Ag	Brooklyn
Borelli, Tomas	1921 C	Coamo, P. R.
Bose, Charles Herman	1918 L	Bayonne, N. J.
Bose, Surendra Nath, L.E.E.	1917 M	Allahabad, India
Boshart, William Elida	1917 Ag	Lowville
Boshnakian, Sarkis, B.S.A., M.S. in Agr.	Grad	Ithaca
Botens, Rex Lionel	1920 V	Cuba
Botsford, Harold Eugene	1918 Ag	Ithaca
Boucher, Henry Negus	1918 Ag	Brooklyn
Boudia, Alexander	1920 A (Chem)	Watertown
Boughton, Paul Ninde	1919 Ag	Brooklyn
Boulter, Lewis Henry, A.B., A.M.	Grad	Auburn
Bowen, Carl Hosmer	1917 M	Buffalo
Bowen, Dorothy Temple	1919 A	Montvale, N. J.
Bowen, Grant Whitney	1919 C	Mt. Morris
Bowen, Mary Agnes	Spec Ag	Somerville, Mass.
Bower, Gertrude Esther	1917 Ag	Elmira
Bowers, Anderson	1919 M	Kittanning, Pa.
Bowes, David Martin	1917 Ar	Bath
Bowker, John Hall	1918 Ag	Cortland
Bowles, Robert Brigham	1919 C	Houston, Tex.
Bowman, Alma Mary	1918 A	Norwich, Conn.
Bowman, Evalina Pitcher	1920 Ag	Brooklyn
Bowman, Harold Cook	1919 M	Ogdensburg
Bown, Ralph A., M.E., M.M.E.	Grad	Fairport
Boyce, Edward Doak	1918 L	Brooklyn
Boyd, Alice Vernetta	1918 Ag	Afton
Boyle, John Richards, 2d	1918 Ag	East Orange, N. J.
Boynston, Alice A.	1918 Ag	Cuba
Boynston, Frank David, jr.	1917 A	Ithaca
Braderman, Manuel Wilbur	1919 Ag	Philadelphia, Pa.
Bradford, Paul	1918 A	Ithaca
Bradley, Carl Richard	1917 Ag	Hornell
Bradley, Catherine Gibbons	1920 A	Hoosick Falls
Bradley, Fred Van Ness	1920 A (Chem)	Rogers, Mich.
Bradley, George Hirst, B.S.	Grad	Hornell
Bradley, Harold Judd	1919 M	Chicago, Ill.
Bradley, Jesse Franklin, A.B.	Grad	Saugatuck, Conn.
Brady, John Franklin, jr.	1919 M	Kansas City, Mo.
Brady, William Malcolm	1919 A (Chem)	South Orange, N. J.
Braman, Chester Rounds	1920 A	Cortland
Brandel, Myron Philip	1919 M	Hamburg
Brandes, Elmer Walker, B.S., M.S.	Grad	Detroit, Mich.
Brandes, George Henry	1918 A (Chem)	Oswego
Brandew, William Henry	1917 Ag	Albany
Brandt, Richard, jr.	1917 A	New York City
Brunson, James Marshall, B.A., M.A.	Grad	Ithaca
Bray, Mark Wilder, A.B., M.S.	Grad	Appleton, Wis.
Brayman, Eugene	1921 C	Penn Yan
Brayman, Harold Leslie	1920 A	Middleburg
Braymer, George Winfield, jr.	1918 L	Granville
Breck, Frances Louise	1918 A	Bloomfield, N. J.
Breck, George Dwight, jr.	1920 A	Cleveland, O.
Breck, Lawrence William	1918 M	Cleveland, O.
Breckenridge, Donald Edward	1919 M	Franklin, Pa.
Breckenridge, Wilder	1920 M	Ithaca

Breckinridge, Clifton Rodes, jr.	1919 M	Fort Smith, Ark.
Breen, James William	1919 L	East Pepperell, Mass.
Bregger, Thomas, B.S.	Grad	Ithaca
Bremer, Harry Earl, B.S.	Grad	Amsterdam
Brennan, Elizabeth Mary	1919 A	Kingston, Pa.
Brenton, Walter	1918 M	Eugene, Ore.
Bretz, Ludlow Earle	1919 M	Dobbs Ferry
Brew, Julia Isabel	1919 L	Brooklyn
Brew, Mary Frances	1920 M.D.	Brooklyn
Brewer, Harold George	1919 A	Spring Valley
Brewer, Irwin	1917 M	Oswego
Brewster, Alice May	1917 Ag	Cornwall
Brewster, Irene	1920 Ag	Cornwall
Brewster, Oswald Cammann	1918 M	Denver, Col.
Bridges, Clayton Thomas	1918 Ag	Fairport
Bridges, Merton Legate	1920 Ag	Fairport
Bridgman, J. Allington, B.Chem.	Grad	Ithaca
Briggs, Chauncey Millar	1917 C	Chicago, Ill.
Briggs, Harold Owen	1921 M	Rhinebeck
Briggs, Leslie Eadie	1920 L	Homer
Briggs, Loutrel Winslow	1917 Ag	New York City
Briggs, Mead Greacen	1917 Ag	Brooklyn
Briggs, Philip Schuyler, jr.	1920 M	Strafford, Pa.
Briggs, Roscoe Wallace	1919 Ag	Glens Falls
Bright, Joseph Paul	1917 C	Wilmington, Del.
Bright, Michael Carnahan	1917 M	Superior, Wis.
Brinckerhoff, James Embury	1917 M	Orange, N. J.
Brink, Francis Gerard, A.B.	1917 Ag	Marathon
Brink, James Henry	1918 V	Newark Valley
Bristol, Albert Crane	1920 M	Claverack
Bristol, Anna	1917 Ag	Ovid
Britt, Robert Emery	1920 Ag	Adams Basin
Broadbent, Harold Stanley	1917 A (Chem)	Utica
Brock, Frances Rosalie	1920 Ag	Mt. Vernon
Brock, James Fargo	1920 M	Brooklyn
Brodner, Meier	1918 V	Brooklyn
Brogan, Maurice Perley	1920 M	Omaha, Neb.
Bromley, John Hallock, B.S.	Grad	Ithaca
Brookmire, Neil Ivan	1919 M	Findley Lake
Brooks, Alfred Hiram	1917 Ag	Monroe
Brooks, Daniel Bosley	1919 Ag	Cockeysville, Md.
Brower, Henry Somerset	1917 Ag	Spencerport
Brower, Lawrence George	1918 Ag	Mamaroneck
Brown, Alvin Chauncey	1920 A	Haddonfield, N. J.
Brown, Anthony Joseph	1918 A	Corning
Brown, Camilla June	1918 Ag	Harford
Brown, Charles Elmer	1918 V	Onoville
Brown, Chauncey Fairfield, A.B.	1920 M.D.	La Crescenta, Cal.
Brown, Colonel Loren	1919 Ag	Hilton
Brown, Edward Howey	1918 M	Cleveland, O.
Brown, Eleanor Fletcher	1920 Ag	New York City
Brown, Fayette Elwin	1920 M	Iron Mountain, Mich.
Brown, Franklin Edwin	1918 Ag	Trumansburg
Brown, Harold Gordon	1918 Ag	Deerfield
Brown, Kenneth Cotton	1918 A	Hinsdale, Ill.
Brown, Laura Bayette	1919 A	Ithaca
Brown, Lawrence Glen, B.S.	Grad	Nashville, Ind.
Brown, (Mrs.) Lea Altenburg Bramhall	1917 A	Ithaca
Brown, Lloyd Campbell	1917 V	Gloucester, Mass.
Brown, McCloy Hazelton	1919 Ag	Rochester
Brown, Randolph Milton	1919 Ag	Stapleton
Brown, Richard Harter	1919 L	Romulus
Brown, Ruth Eleanor	1918 A	Burdett
Brown, Samuel Thomas	1917 M	Patton, Pa.
Brown, Seymour Walter	1920 Ag	Burke
Brown, Wesley Bennett	1920 M	Sidney
Brown, Wiser	1917 M	Syracuse
Browne, Dudley Malcolm	1918 Ag	Ithaca
Browne, Frederick Lincoln	1917 A (Chem)	New York City
Browning, Robert Abraham	Spec Ag	Buffalo
Browning, Val Allain	1919 L	Ogden, Utah
Bruckheimer, Alleyne Henry	1919 A	Buffalo
Brumback, Theodore Berdell	1918 A	Kansas City, Mo.
Brundidge, Violet Florence	1920 Ag	Oneida
Brunner, Leon Dispeau	1918 V	Binghamton
Brunson, Wright Abel	1918 V	Moons
Bryant, Maynard Luther	1920 Ag	Troy
Bryant, Robert Charles	1918 M	Binghamton
Bryce, Thomas Francis	1918 A	Newark, N. J.
Bryne, Gladys Adelle	1920 Ag	Auburn

Buchbinder, Joseph Jerry
 Bucher, Lloyd Day
 Buck, Herbert Howe
 Buckhout, Harriette Cora
 Buckley, Sidney Slater
 Buckmann, George Frederick
 Bucknam, (Mrs.) Delilah Hayes
 Budd, Ivon Harold
 Budd, James Marshall
 Buehler, Leon, jr.
 Buell, William Ray
 Buerger, Otto Martin
 Bufford, Hazel Blanche
 Bull, Arthur Walker
 Bullard, Edward Lauriston
 Bullard, George Percival
 Bullard, Helen Elise
 Bullen, John Nixon
 Bunn, Charles Horatio, jr.
 Burchard, Albert Stanley
 Burchill, William John
 Burck, Rudolph David
 Burdick, Maude Amelia
 Burgunder, Bernard Frank
 Burk, Richard Martin
 Burke, Frank Jones
 Burke, James Harry
 Burke, Thomas
 Burke, Walter Raymond
 Burkholder, Walter H., A.B.
 Burlage, Stanley Ross
 Burlingame, Vincent
 Burnett, Roscoe Elvis, A.B.
 Burnham, Rogers
 Burns, Donald Sylvester
 Burns, Edward John
 Burns, Mildred Elizabeth
 Burns, Samuel
 Burns, Walton Harold
 Burpee, Chandler
 Burr, Walter Haynes
 Burrell, Archibald Wray
 Burritt, Hiram Ray
 Burroughs, Ambrose Matson
 Burry, Walter Henry
 Burt, Adena Katherine
 Burt, Joseph Henry
 Burt, Lester Pultz
 Burt, Robert Chester
 Burton, Raymond Charles
 Buschman, Robert Petring
 Bush, Earl Dolson
 Bush, Harold Watrous
 Bush, Howard Jackson
 Bush, Ralph Raymond
 Bush, Raymond Bates
 Bushman, Willard Wilson
 Bussell, Frank Pores, A.B.
 Bussey, Robert Edgar
 Butcher, Frederick Harrison
 Butler, Wellington Frederick
 Buttery, Clayton Joseph, A.B., A.M.
 Button, Dorothy Markham
 Butts, Wilbur Kingsley
 Buys, Ivan
 Buys, John Levenus
 Buzby, Jesse Milton
 Byrd, Ralph Hamilton
 Byrne, Edward Munson
 Byron, Charles Stanford

 Cabean, David Clark, A.B.
 Cable, Jo Harnly
 Cadiz, Edwin Firth
 Cady, Donald Watson, A.B.
 Cady, Elizabeth Catherine
 Cady, Stanley Haributt
 Cabean, Charles Wilbur, jr.
 Calder, William, jr.
 Caldwell, Henry Wallace

1919 L
 1919 Ag
 1917 Ar
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 Spec Ag
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 1919 A (Chem)
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 1917 A (Chem)
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 Grad
 1918 M
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 1920 M.D.
 1918 A
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 1919 M
 1917 M
 1917 M

Bayonne, N. J.
 Brooklyn
 Buffalo
 Scipioville
 Yonkers
 New York City
 Jamestown
 Caldwell, N. J.
 Philadelphia, Pa.
 Mt. Vernon
 Norwich
 Buffalo
 Buffalo
 Plattsburg
 Revere, Mass.
 Ithaca
 Schuylerville
 Oconomowoc, Wis.
 East Orange, N. J.
 Oxford
 Chicago, Ill.
 Denver, Col.
 Interlaken
 New York City
 Okmulgee, Okla.
 Newark, N. J.
 Hartford, Conn.
 Oneida
 Scranton, Pa.
 Crawfordsville, Ind.
 Fredonia
 Voorheesville
 New York City
 Brooklyn
 Buffalo
 Mohawk
 Burdett
 New Britain, Conn.
 Gary, Ind.
 Philadelphia, Pa.
 Pawling
 Buffalo
 Austin, Col.
 Albion
 Rosebank
 Lake George
 Houston, Texas
 Catatonk
 Battle Creek, Mich.
 Rock Island, Ill.
 East Orange, N. J.
 Warsaw
 Warsaw
 Gloversville
 Kingston, Pa.
 Kennedy
 Buffalo
 Ithaca
 Yonkers
 Brooklyn
 River Edge, N. J.
 Smyrna, Del.
 Farmingdale
 Poughkeepsie
 Trumansburg
 Sodus Point
 Philadelphia, Pa.
 Suffolk, Va.
 Washington, D. C.
 Brooklyn

 Syracuse
 Lima, O.
 Brooklyn
 New Rochelle
 Ithaca
 Spencerport
 St. Louis, Mo.
 Harrisburg, Pa.
 Oak Park, Ill.

Caldwell, James Clayton	1917 M	Brooklyn
Calkins, Donald Franklin	1919 Ag	North Tonawanda
Call, Evelyn Clara	1919 Ag	Stafford
Call, Robert Vincent	1917 Ag	Stafford
Callahan, Alice	1920 A	New Brighton
Callan, John, jr., B.E.	1917 M	New Orleans, La.
Caminez, Harold	1919 M	Brooklyn
Camp, Chester Claremont, B.A., A.M.	Grad	Ithaca
Camp, Harold Laverne, B.A.	Grad	Corning, Ia.
Campbell, Carleton	1919 A	Brooklyn
Campbell, Donald Stuart, B.S.	Grad	Detroit, Mich.
Campbell, James Monroe	1919 A	Oklahoma City, Okla.
Campbell, John Wesley, jr.	1919 Ag	Warren, Pa.
Campbell, Robert Argyll, A.B.	Grad	Ithaca
Campbell, Robert Dudley	1919 M	Glenshaw, Pa.
Campbell, Sarah Letson	1917 Ag	Suffern
Cannon, John Francis	1920 A	Locust Gap, Pa.
Capor, Jacob August, B.A.	1918 M.D. (N. Y. C.)	New York City
Capen, Charles Herbert, jr.	1917 C	East Orange, N. J.
Caplan, Harry, A.B.	Grad	Albany
Caplan, Louis	1920 A	Albany
Caprio, Amerigo Francesco	1917 A (Chem)	Newark, N. J.
Capron, Theodore Jackson	1919 Ag	Wayland
Carberry, James Paschal	1921 C	Buffalo
Card, Dana George	1919 Ag	Sylvania, Pa.
Carey, Daniel John	1919 Ag	Ithaca
Carll, George Eaton	1920 A (Chem)	Cleveland, O.
Carll, Haidee	1920 A	Halesite
Carmack, William Graham	1919 A	Niagara Falls
Carmoega, Rafael	1918 Ar	Rio Piedras, Porto Rico
Carnes, Moses, A.B.	1920 M.D.	Tupper Lake
Carney, Colwell Joseph	1920 M	Newburgh
Carpenter, Arthur Eldred	1918 A	North Bangor
Carpenter, Charles Milton	1917 V	Unadilla
Carpenter, Clifford Deane	1920 V	Unadilla
Carpenter, Clinton George	1919 A	Hudson Falls
Carpenter, Edwin John, jr.	1918 A	Corning
Carpenter, Evie Lee	1918 Ag	Yonkers
Carpenter, James McFadden, jr., A.B., A.M.	Grad	Pittsburgh, Pa.
Carples, Edmond Nathaniel	1919 A (Chem)	New York City
Carr, Edward Howard	1920 C	Bayville
Carr, Hugh Roderick	1920 M	New York City
Carr, Oscar Clark	1918 Ag	Clarksdale, Miss.
Carr, Robert Upton	1917 A	Buffalo
Carrasco-Calvo, Juan Leopoldo, A.B., B.S.	1919 M	Temuco-Casillan, Chile
Carrick, Doak Bain, A.B.	Grad	High Point, N. C.
Carrino, Constantine Nicholas	1921 M	Brooklyn
Carroll, Arlo Bowlby	Spec Ag	Ithaca
Carroll, Burt Haring	1917 A (Chem)	Warwick
Carroll, Jane Garry	1918 A	Cleveland, O.
Carroll, Malcolm Barrington	1918 L	West New Brighton
Carroll, Walter Richard, D.V.M.	Spec V	Brookline, Mass.
Carry, Charles William	1920 L	Chicago, Ill.
Carry, Joseph Champ	1918 M	Chicago, Ill.
Carson, James Reed	1920 M	Pittsburgh, Pa.
Carter, Helen	1917 A	Minersville, Pa.
Carter, Paul William	1917 A	Greenwich
Cartwright, Louis Benton	1917 A	East Bloomfield
Carver, Charles Decker	1920 M	Brooklyn
Carver, Kenneth	1920 Ar	Brooklyn
Carver, William Van Ness	1918 Ag	Brooklyn
Cary, Edward Beverly	1920 M	Roanoke, Va.
Cary, Richard Edgar	1918 Ag	Richfield Springs
Case, Alice Helen	1920 A (Chem.)	Philmont
Case, Louise Wheeler	1918 A	Interlaken
Case, Mervin	1919 M	Chicago, Ill.
Casey, John Augustine, B.A.	1918 M.D. (N. Y. C.)	Bridgeport, Conn.
Cassedy, William Fraser, jr.	1919 M	Newburgh
Cassel, Edna Egolf	1917 A	Philadelphia, Pa.
Cassell, Albert Irvin	1919 Ar	Baltimore, Md.
Cassidy, George Emmes	1917 M	Honolulu, Hawaii
Castillo, Manuel Jesus	1917 Ag	Mérida, Yucatán, Mexico
Cavanaugh, Paul James	1917 A	Ithaca
Chadbourne, Ernest Clinton	1917 Ag	Syracuse
Chadeayne, Henry Frost	1918 C	Firthcliffe
Chadsey, Gladys Marie	1917 A	New York City
Chadwick, Stuart	1918 M	Hartford, Conn.
Chamberlain, Carl Christoph	1919 Ag	Pine City
Chamberlain, Dwight Russell	1920 Ag	Lyons
Chamberlain, Thomas Knight	1918 Ag	Brooklyn

Chambers, Henry James	Spec Ag	Walton
Champ, Kenneth Barnard	1919 M	Cleveland, O.
Champlin, Pearl Edith	1920 Ag	Oneida
Chandler, David Harry, jr.	1917 M	Vineland, N. J.
Chandler, Edward Austin, jr.	1917 C	Gardner, Mass.
Chandler, Wallace Larkin, B.S., M.S.	Grad	Ithaca
Chang, Clifton Tse	1917 Ag	Hopei, Tientsin, China
Chang, Tien Tsai, B.S., M.S. in Ag.	Grad	Canton, China
Chao, Kuo Tung	1919 M	Shanghai, China
Chapin, Harry Griswold	Spec Ag	Holcomb
Chapin, Oscar Hilan	1918 Ag	Greenwich
Chapin, Stuart Lyle	1917 M	Oneida
Chapman, Dorothy Lyon	1919 Ag	Port Richmond
Chapman, Louis Rounseville	1919 Ar	Swissvale, Pa.
Chapman, Margaret Lyon	1918 A	Port Richmond
Chapman, Phyllis	1919 Ag	New York City
Chapman, Robert Hett	1917 M	Spartanburg, S. C.
Chappell, John Thomas, B.S.	Grad	Houstonville, N. C.
Chappell, Paul Russell	1917 Ag	Cayuga
Chappelle, Ruth Virginia	1917 A	Hoboken, N. J.
Charles, Delphine Kathryn	1920 A	Warsaw
Chase, Amos Prentice	1919 A	Norwich, Conn.
Chaskin, Harold S.	1921 M	New York City
Chater, William Sage, B.S.	Spec Ag	Ithaca
Cheesman, Roy Walling	1917 Ar	Rochester
Chen, Che Kwei	1919 A	Canton, China
Chen, Cheng-Sze	1917 C	Foochow, China
Chen, Phoo-Hwa, B.C.E., M.C.E.	Grad	Yungting, Fukien, China
Chesebrough, M. Arlouine	1918 A	West Edmeston
Cheyney, Henry Clay, jr.	1919 A	Evanston, Ill.
Chiavetta, Thomas Charles	1920 A (Chem)	Brant
Chien, Chih Lan	1917 Ag	Chekiang, China
Childrey, Roland Lett	1919 A	Camden, N. J.
Chipman, Ruth Ellen, A.B.	Grad	Ithaca
Choate, Dorothy Flood	1918 Ag	Romulus
Chow, Yen Shuen	1919 A	Shanghai, China
Christ, Leone Lawall	1920 C	Warsaw
Christensen, Eiler Martin	1920 C	Norwich
Christensen, John	1918 A	Brooklyn
Christian, Cyrus Marvin	1919 A	Horseheads
Christian, Joseph Howard	1920 C	Millville, Pa.
Christianson, Raynard	1920 M	Butler, Pa.
Christie, Clyde	1919 L	Bergenfield, N. J.
Christie, Lloyd Demarest	1921 M	Haworth, N. J.
Chu, Kea-Hin	1918 M	Shasi, China
Church, Devillo Corbin	1920 A	Aston
Church, Elsie Sterling	1918 A	Ithaca
Church, Kenneth	1920 Ag	High Falls
Church, Madeline Kingsley	1917 Ag	Ithaca
Churchyard, Elizabeth	1919 Ag	Buffalo
Chynoweth, Walter John	1918 V	Williamstown, Vt.
Cinader, Louis	1917 Ag	New York City
Cipperley, Ada Claire	Spec Ag	Ithaca
Clair, Harry Cornelius, jr.	1920 A	Portland, Ore.
Clapp, Glenn Sanford	Spec Ag	Franklinville
Clapp, Parmly Scofield, jr.	1920 Ag	New York City
Clarye, Harold Huber	1920 L	Sayre, Pa.
Claris, John Woodward	1917 V	Buffalo
Clark, Cuthbert Norman, B.A.	Grad	Vancouver, B. C.
Clark, Frank Pendleton	1919 A	Alexandria, La.
Clark, George Horace, M.D.	Spec M.D. (N. Y. C.)	Rochester
Clark, George Rogers	1918 M	St. Louis, Mo.
Clark, Helen Scureman	1917 Ag	Kingston, Pa.
Clark, Helen Sophia	1919 Ag	Munnsville
Clark, Hollis Harrison	1917 Ag	Warsaw
Clark, John Griffith	1918 Ag	Fairport
Clark, John Harrison	1918 Ag	Schoharie
Clark, Lee Hinchman	1918 A (Chem)	Brooklyn
Clark, Lester Percy, A.B.	1917 C	Redlands, Cal.
Clark, Margaret Kimber	1919 A	Fulton
Clark, Marie	1919 Ag	Watkins
Clark, Oliver R.	1918 L	Farmington, Utah
Clark, Percival Lemon	1920 A	Elgin, Ill.
Clark, Raymond Gordon	1919 C	Washington, D. C.
Clark, Roger Scureman	1920 A	Kingston, Pa.
Clark, Roy Edwards, M.E.	Grad	Ithaca
Clark, Ruth Hunting	1920 Ag	Belleville
Clark, William Cornwall	1917 A	Fredonia
Clark, William Jerome, jr.	1918 M	Chicago, Ill.
Clarke, Clement Steele	1920 M	Shreveport, La.

Clarke, Warren Hines	1920 M	Baltimore, Md.
Clary, Austin James	1919 A (Chem)	Waterloo
Clary, Francis Joseph	1917 L	Seneca Falls
Clary, Thomas James	1920 A	Seneca Falls
Clawans, Edward	1917 C	Newark, N. J.
Clay, George William, jr.	1921 M	New Orleans, La.
Clay, Leon Gibert	1920 C	New Orleans, La.
Clear, Robert Leroy	1919 Ar	Balboa Heights, C. Z., Panama
Cleaveland, Dorothy Kendall, A.B.	Grad	Canton
Cleaver, Thoburn Grant	1919 M	Richmond Hill
Cleeves, Henry White	1917 Ag	Meadowbrook
Clement, Maynard Sackett	1918 Ag	Albany
Clements, Dorothy Olive Burkhardt	1918 Ag	Franklinville
Clements, Joseph Francis	1920 L	New York City
Cleminshaw, William Holbrook, jr.	1919 M	Cleveland, O.
Cleveland, Lloyd Smith	1917 A	Endeavor, Pa.
Clinton, Charles Lewis	1919 A	Ithaca
Clute, Howard Haswell	1920 M	Elmira
Clynes, James Joseph	1917 Ag	Ithaca
Coad, Anna Cecilia	1919 Ag	Ithaca
Coan, Abraham Moses	1920 Ag	Ithaca
Cochran, Thomas Fletcher	1919 C	East Orange, N. J.
Cochrane, Charles Francis	1917 Ag	Ripley
Cockcroft, Donald Griswold	1919 C	Northport
Cockcroft, Katharine Emily	1918 A	Cohoes
Cockcroft, Merle Leslie	1920 A (Chem)	Northport
Coe, John Sherman	1918 M	Waterbury, Conn.
Coe, Reginald Hedley	1919 M	Medina
Coelho, Jos ^e Natividade	1920 M	Rio de Janeiro, Brazil
Coelho, Thomas, jr.	1920 Ag	Rio de Janeiro, Brazil
Coffin, Kenneth Ford	1919 Ar	Somerville, N. J.
Coggeshall, Henry Gerald	1921 C	Waterville
Coggins, Charles Paul	1919 C	Avalon, Pa.
Cohen, Dudley Crawford	1918 A	Brooklyn
Cohen, Emanuel M.	1917 M	Brooklyn
Cohen, Harold	1919 A	Rockville Centre
Cohen, Israel	1917 A	Monticello
Cohen, Jacob	1920 C	New York City
Cohen, Jeannette	1919 A	Norton, Va.
Cohen, Julian Seeman	1918 A (Chem)	New York City
Cohen, Morris Gilbert	1919 C	Monticello
Cohen, Reuben Michael	1918 Ag	Brooklyn
Cohn, Miriam Harriett	1920 Ag	Bath
Cohn, Philip	1918 Ag	New York City
Colby, Myron Edward	1919 A (Chem)	Gouverneur
Colby, Whitney Coffin	1918 A	Montclair, N. J.
Cole, Glen Walker	1918 A	Corning
Cole, Howard Irving, B.Chem.	Grad	New Rochelle
Coleman, George Kadel	1917 M	Westville, N. J.
Coleman, John Milton	1921 C	Philadelphia, Pa.
Coleman, Roland Warner	1917 Ag	Piermont
Collacott, Robert Hover	1919 A	Painesville, O.
Collett, Harry Arthur	1918 M	Baltimore, Md.
Collin, Henry Arthur	1918 M	Plattsburg
Collins, Alfred Stuart	1918 C	Buffalo
Collins, Anthony Henry	1919 M	Des Moines, Ia.
Collins, Campbell Stephen	1919 Ag	Peoria, Ill.
Collins, Edison Moore	1920 Ag	Livingston Manor
Collins, Harry	1918 A	Brooklyn
Collins, Wallace Hardison	1918 M	Tulsa, Okla.
Collum, Thad L.	1920 A	Corsicana, Tex.
Collyer, John Lyon	1917 M	Chelsea-on-Hudson
Colman, Raymond Weaver, B.A.	Grad	Medina
Colony, Myron Wesley	1918 A (Chem)	Bronxville
Colson, Andrew Ellicott	1920 M	Glen Ridge, N. J.
Colsten, Ronald	1918 Ag	Binghamton
Coltman, William Pethick	1919 L	New York City
Colucci, Frank, A.B.	Grad	Holley
Colvin, William Henry, jr.	1920 A	Evanston, Ill.
Combs, George Hunt	1919 M	Trenton, N. J.
Combs, Willis Becker	1917 Ag	Ithaca
Comings, William Daniel	1918 Ag	Middletown
Compton, Ralph Osgood	1917 M	Brooklyn
Comstock, Charles Ward	1918 Ag	Yorkville
Comstock, William Mortimer	1920 C	Brooklyn
Conable, Walter Ford	1919 M	Jamaica
Conant, John Kennard	1918 M	Upper Montclair, N. J.
Conant, Melvin Abbott	1918 A	Upper Montclair, N. J.
Condon, Lawrence William	1921 C	Newark, N. J.
Conger, Sidney Barnett	1918 M. D. (N. Y. C.)	Akron, O.
Conne, Paul Sin Clair	1917 Ag	Bath

de Coningh, Peter Conrad	1920 M	Chicago, Ill.
Conklin, Elbert Ernest, jr.	1917 Ag	Syracuse
Conklin, Eugene Woodruff	1920 A	Huntington
Conklin, Raymond LeRoy	1917 V	Norwich
Conklin, Ruth Daniels	1919 A	Joplin, Mo.
Conlan, Margaret Geraldine	1918 A	Johnstown
Conlin, William Jerome	1920 V	Glens Falls
Conner, Henry Waddell	1917 Ag	Great Falls, Mont.
Connolly, Paul Teban Ignatius	1918 V	Syracuse
Connor, Edwin Irving, jr.	1918 Ag	New Rochelle
Conover, Garrett Elliott	1921 C	Asbury Park, N. J.
Conroy, Edward Eugene	1919 M	Ogden, Utah
Conroy, James Joseph, jr.	1917 L	Albany
Conroy, Mary Agnes	1919 A	Hilton
Constans, Frank Schille	1919 C	Chicago, Ill.
Conzelman, Alvin Herget	1920 A (Chem)	Pekin, Ill.
Cook, Adelaide Helen	1918 A	Washington, D. C.
Cook, Eaton	1919 Ar	Dover, N. H.
Cook, Elizabeth Rose	1919 Ag	Albany
Cook, James Richard	1920 C	Gloversville
Cook, John, M.D.	Spec M.D. (N. Y. C.)	Bayonne, N. J.
Cook, Laura Clark	1920 A	Hillsdale, Mich.
Cook, Leon Emory, A.B., B.S. in Agr.	Grad	Ithaca
Cook, Robert Abele	1920 Ag	Washington, D. C.
Cook, William Carmichael	1917 Ag	Syracuse
Cooke, Cora Elizabeth	1920 Ag	Lyons Falls
Cooke, Everett Brownell	1917 M	New York City
Cooke, Gaylord Keel	1918 V	Berkeley, Cal.
Cooke, Thomas Turner	1917 A (Chem)	Orange, N. J.
Cooley, Charles Ransom	1920 Ag	Oberlin, O.
Coombs, Samuel Meade, 3d.	1920 A	Bridgeton, N. J.
Cooney, (Mrs.) Margaret Sheerin, A.B.	Grad	Ithaca
Cooper, Charles Henry	1920 A	Jersey City, N. J.
Cooper, Charles Stuart	1917 Ag	Philadelphia, Pa.
Cooper, Howard Newton	1920 M.D. (N. Y. C.)	Little Falls
Cooper, Jesse Sherwood	1920 A	Mount Vernon
Cooper, Lester Marcus	1918 Ag	Cortland
Cooper, Ray Simeon	1919 Ag	Wolcott
Cooper, Thomas Henry	1920 M	Salem, Va.
Corby, George Bently	1919 A	Honeoye Falls
Corcoran, Edward Stephen	1917 M	Interlaken, Mass.
Cordley, Christopher Minta	1920 Ag	Glen Ridge, N. J.
Corleis, Grace Henrietta	1919 A	Brooklyn
Corliss, Louis Fisk	1917 M	Brooklyn
Cormack, Charles Marshall	1920 C	Buffalo
Cornell, Nelson Warren	1918 A	Chemung
Cornish, Ina May	1919 Ag	Ithaca
Cornwell, John Nevius	1920 Ag	Yorktown Heights
Cornwell, Ralph Thomas Kline	1918 A (Chem)	Northumberland, Pa.
Correa, Rafael	1919 Ag	Santiago, Chile
Corrigan, John Potwin	1919 M	Pittsburgh, Pa.
Corrington, Julian Dana, A.B.	Grad	Ithaca
Cortese, Frank	1920 A (Chem)	Dunkirk
Cortright, Oron Rhodes	1919 Ag	East Stroudsburg, Pa.
Corwin, Louis Alfred	1919 V	Richmond Hill
Corwith, William Henry	1919 L	Rockville Centre
Cosline, Hugh Lewis	1918 Ag	Springville
Cottle, Frances Marian	1919 A	Constable
Cotton, Dorothy Annie	1918 Ag	Ithaca
Cottrell, Edwin Harrison	1919 M	East Orange, N. J.
Couchman, Carl Spencer	1918 M	Chicago, Ill.
Coulter, Clarence Dally	1918 M	Oil City, Pa.
Coulter, William Adams	1917 M	Bridgeport, Conn.
Coupe, Florence Elizabeth	1919 Ag	Utica
Coursen, Ronald Chester	1917 M	Salisbury, Md.
Coursey, George Edwin	1920 A (Chem)	Ladlow, Ky.
Courtney, John Howard	1917 C	Union Springs
Courtney, William Francis	1918 M	Ithaca
Cousens, Clayton Worth, A.B.	1918 L	Honolulu, Hawaii
Coutant, Albert Francis, B.S., A.M.	1917 M.D. (N. Y. C.)	Valley Cottage
Covell, Spencer Albert, B.Sc.	1917 M	Corvallis, Ore.
Covert, Kenneth Clifton	1921 M	Skaneateles
Covey, Kenneth Sydney	1918 Ag	Oneonta
Coville, Katharine	1918 A	Washington, D. C.
Coville, Perkins	1918 Ag	Ithaca
Covington, William Slaughter	1920 A	Auburn
Cowan, Ralph Waldo Emerson, B.S.	Grad	Ithaca
Cowan, Walter Griffin	1917 Ag	Hobart
Cowdick, Myri	1919 A	Williamsport, Pa.
Cowell, Thomas Charles	1920 M	New York City

Cowhill, Clara Evelyn	1918 A	Brooklyn
Cownie, David Livingstone	1917 C	Buffalo
Craig, Augustus Cadwallader	1920 M	Rosemont, Pa.
Craig, Bentley LeVere	1920 Ag	Hamburg
Craig, (Mrs.) Helen Kearney, A.B.	Spec Ag	Ithaca
Craig, Howard Reid, B.A., M.A.	1919 M.D. (N. Y. C.)	New York City
Craig, John Wesley	1919 A	Portland, Me.
Craig, Joseph Eddy Gillingham	1920 C	Rosemont, Pa.
Craig, Malcolm Everette, B.S.	Grad	Kirkville, Mo.
Craig, Roy Alexander	1921 M	Wilmington, N. C.
Crandall, Addison Bardshar	1917 M	Chattanooga, Tenn.
Crandall, Howard	1918 Ag	Ithaca
Crandall, Will Giles	1919 Ag	Tully
Crandell, Milton Lee	1917 Ar	Glens Falls
Crane, Frederick Wilson	1918 C	Buffalo
Crane, Millard Fillmore	1920 C	Orange, N. J.
Crane, Walter Brainerd	1918 Ag	Dover Plains
Craner, Ward Nicholas	Spec Ag	Hastings
Craver, Lloyd Freeman, A.B.	1918 M.D. (N. Y. C.)	Albany
Crawford, John Crawford	1920 M	Erie, Pa.
Crawford, William, jr.	1920 Ag	Schenectady
Creal, Harold Leroy	1919 Ag	Jamestown
Creech, Jesse Orrin	1920 Ag	Ithaca
Crim, William Doolittle	1917 Ag	Utica
Crispell, Raymond Solomon	1917 A 1920 M.D. (N. Y. C.)	Kingston
Crissey, John Charles	1917 Ag	Glenwood, N. J.
Crocco, Walter Cyril	1918 Ag	Brooklyn
Crone, James Murray	1920 Ag	Darien Center
Crosby, Birdina, B.S.	1918 M.D. (N. Y. C.)	Brocton
Cross, Frank Bradley, jr.	1920 A	Cincinnati, O.
Cross, George Ernest	1919 M	Sterling, Pa.
Cross, Gerald Francis	1919 M	Indian Lake
Cross, Lowell Harold	1919 A	Sterling, Pa.
Crossan, Filbert Porter	1919 A	Philadelphia, Pa.
Crouch, Harold Harter	1920 A (Chem)	Mohawk
Crowell, Eddy Halsey	1920 M	New Rochelle
Crowell, Harold Olin	1917 Ag	Centerville
Crowley, Katherine Elizabeth	1920 Ag	Canandaigua
Croxton, Albert Marion	1920 C	Arkadelphia, Ark.
Croxton, James McLain	1920 M	Massillon, O.
Cruickshanks, Fred	1918 V	Ferndale, Cal.
Cubbon, Miles Hugo	1920 Ag	Pleasantville, Pa.
Cuervo y Troy, José Faustino	1918 Ag	Ithaca
Cuffe, Frances Isabel	1917 A	Watertown
Cuffe, Frederic William	Spec M	Toronto, Canada
Culbertson, Albert Lewis	1917 A (Chem)	Mt. Vernon, O.
Culkin, William Anthony	1918 A	Duluth, Minn.
Cull, Edwin Emory	Spec Ar	Providence, R. I.
Culligan, Leo James	1920 M	Ithaca
Cullinan, Frank Patrick	1917 Ag	Stanley
Cummings, Edward	1917 C	New York City
Cummings, James Howell, jr.	1919 A	Philadelphia, Pa.
Cundell, Henry Garrison	1920 M	Paterson, N. J.
Cunneen, Wallace Vincent	1920 A	Port Jervis
Cunningham, John Weeks	1919 M	Yonkers
Curphey, James Dodds	1920 A	Dayton, O.
Curran, Stanley Thompson	1918 Ag	New York City
Currey, Hiram Meyrick, B.S.	Grad	Ontario Ore.
Curry, Aubrey Ramon	1920 M	Nassau N. P., Bahamas
Curtis, George Graydon	1920 M	Wolcott
Curtis, Walter Earle	1919 Ag	Telford, Pa.
Curtiss, Leon Francis	1917 A	Naples
Cushing, Albert Augustus	1917 Ar	Ottumwa, Iowa
Cushing, Edward Raymond	1918 V	Shortsville
Cushman, Stewart Allerton	1918 Ag	East Aurora
Cusic, Anna Elizabeth	1919 Ag	Huntington
Cusick, James Thomas, B.S.	Grad	Ithaca
Cuthbert, William Earl	Spec M	Ridgway, Pa.
Cutler, Paul Colman	1917 Ag	New York City
Cutolo, Francis, jr.	1919 A	Jamaica
Cutting, Robert Hill	1919 Ag	St. Regis Falls
Cymrot, Mark	1920 A	New York City
Daggett, Clark Cornell	1919 L	Niagara Falls
Dailey, Bernard Clark	1917 C	New York City
Daily, Orville Guy	1920 A	Chicago, Ill.
Dain, Bryant Depew	1918 Ag	Peekskill
Daley, William Bell	1920 L	Chatham
Dalton, James Ward	1918 A	Gouverneur

Daly, Victor Reginald	1919 A	Corona
Dalzell, Arthur Herbert	1918 M	Lynn, Mass.
Damsky, Charles David	1917 M	Utica
Dana, Charles Styles	1917 Ag	Kingston
Danenhour, George Brown	1920 M	Lehigh, Okla.
Danenhower, Donald	1917 Ag	Haddonfield, N. J.
Danes, Albert Spencer	1920 A (Chem)	Patchogue
Dangerfield, Albert Neil	1917 A	Riverside, Cal.
Daniels, Francis Wallin	1921 C	Gilbertsville
Daniels, Harold Welding, B.S.	1920 M.D. (N. Y. C.)	Claremont, Cal.
Dann, Archie Byron, B.S.	Grad	Ithaca
Dann, Hollis Hanford	1917 A (Chem)	Ithaca
Darch, William John	1917 L	Stafford
Dargue, Daniel	1919 C	Ridgewood, N. J.
Darling, Edna Louesa	1917 Ag	Binghamton
Darling, Lina Reeves	1919 Ag	Binghamton
Darrin, Anthon Forgeau	1918 Ar	Brooklyn
Daum, Earle Basinaut	Spec Ag	Albion
Davenport, Edward	1920 Ag	Accord
Davidow, Morris	1918 Ag	Brooklyn
Davidson, Alexander George, B.S.	1920 M.D. (N. Y. C.)	New York City
Davidson, Harry	1919 A	New York City
Davidson, Harold Matthew, A.B., M.A.	Grad	Marshall, Mich.
Davidson, MacGregor	1919 M	Cleveland, O.
Davidson, Phillip Langford	1918 A (Chem)	Scranton, Pa.
Davies, Arthur David	1917 Ag	Congers
Davies, Horace Franklin	1920 A	Roselle, N. J.
Davis, Alfred Hale	1919 A	Walton
Davis, Asa	1918 Ag	Owego
Davis, Charles Jester, B.S.	Grad	Corsicana, Texas
Davis, Charles Rexford	1919 Ag	Albany
Davis, Daniel Beach	1920 M	Kingston, Pa.
Davis, Donald Gordon	1917 C	Utica
Davis, Frank S. Black	1920 L	Cropseyville
Davis, Frederick Howard	1920 C	West Buxton, Me.
Davis, Harold Grant	1920 A (Chem)	Plainfield, N. J.
Davis, Helen Bissing, A.M.	Grad M.D. (N. Y. C.)	Lincoln, Neb.
Davis, Helen Louise	1917 A	Brooklyn
Davis, Henry Kennedy, A.B., A.M.	Grad	Newfield
Davis, Herbert Haywood	1917 A, 1920 M.D.	Omaha, Neb.
Davis, Joseph Wheeler	1920 Ag	Livonia
Davis, Ralph Dayton	1919 M	Port Jefferson
Davis, Rebecca	1919 A	Port Henry
Davis, Ruth Eaton	1917 Ag	Livonia
Davis, Thomas Wallis, B.S.	1919 M.D. (N. Y. C.)	Utica
Davis, William Gurley	1917 M	Mexico
Davison, Cyrus Gibson	1917 Ag	Brooklyn
Davy, Armand Leon	1920 A	Ottawa, Ont., Canada
Davy, James Burton	1920 A	Rochester
Dawson, George Linton	1918 Ag	Geneva
Dawson, Lester Hansell	1919 A	New York City
Dawson, Louis Welton	1919 L	Boonton, N. J.
Day, Emmens Davis	1917 Ag	Ellington
Day, Ezra Halsey	1919 M	Wortendyke, N. J.
Day, Harold	1917 C	Mexico
Day, Ralph Burnette, M.E.	Grad	Ithaca
Dayton, Kenneth	1917 L	Winsted, Conn.
Dean, Archie Leigh, Jr., B.S.	1917 M.D. (N. Y. C.)	Brooklyn
Dean, Edna Louise	1919 Ag	Ithaca
Dean, Louise True	1918 A	Ithaca
Dean, William Lincoln	1918 Ag	New York City
DeAndrea, Diletto Joseph	1918 L	Bernardsville, N. J.
Deatrick, Eugene Peyton, A.B.	Grad	Ithaca
DeBaun, Milton	1917 L	Haverstraw
DeBow, Hetty Woodward	1920 A	Bloomington, N. J.
Dechert, Alvin William	1920 M	Buffalo
Decker, Ford Payne	1920 M	Elmira
Dederick, Frederic Van Dyck	1917 V	Catskill
Deeds, Harold Trumpler	1917 A	Lima, O.
Deema, Edward, Mark, Jr.	1919 Ag	New Brighton
Deetjen, Rudolph Henry	1919 Ag	Montclair, N. J.
DeGing, Albert Otto	1920 C	East Orange, N. J.
DeGraff, Esther Clara	1917 Ag	Amsterdam
DeGrange, Joseph Tormey	1920 M	New Orleans, La.
DeGroat, Wilson Fields	1917 M	Nichols
Dehmer, Marie	1920 A	Westfield
Deitz, Percy Charles	1919 Ag	Berne
Delahanty, Thomas Washington	1917 A (Chem)	New York City
DeLaney, James Michael	1919 V	Syracuse
DeLavan, Nelson Bruce	1920 M	Seneca Falls

Del Piano, Juan Andres, A.B.	1917 A	Buenos Ayres, Argentine Rep.
Delzell, Myriel Edith	1918 Ag	Hersey, Mich.
Delzell, William Robert, A.B.	1918 M.D., (N.Y.C.)	Steven's Point, Wis.
Demaree, Chester Columbus, A.B.	Grad	Jamestown, Ind.
DeMers, William Henry, jr.	1919 A	Troy
Deming, June Charlotte	1917 Ag	Elizabethtown
Deming, Robert Treat	1919 A	Elizabeth, N. J.
DeMott, Henry Vroom, B.S. in Agr.	Grad	Metuchen, N. J.
Dengler, Viola Buchert	1917 A	Philadelphia, Pa.
Dennis, Gerald Monroe	1920 A	Chicago, Ill.
Dent, Alberta	1920 Ag	Auburn
Denton, Clarence Sheldon	1918 Ag	Wingdale
DePorte, Barbara Vital	1917 A	Warsaw, Russia
Derham, Joseph John, jr.	1917 M	Rosemont, Pa.
Derrick, George Webster	1917 V	Jordan
Desson, Leonard Joseph	1918 V	Troy
DeVany, Norma	1918 Ag	Ellenville
Dewey, Hartley Greaves, B.S.	1918 M.D. (N. Y. C.)	Schenectady
Dewey, Robert Adelbert	1920 Ag	Jamestown
DeWitt, Earl Stewart	1919 C	Hammondsport
DeWitt, John	1917 C	Parshall, Colo.
DeWitt, Madolin	1919 A	Lima
DeWolfe, Rachel Elizabeth	Spec Ar	Cortland
Dewson, Inglee Ball	1918 Ag	New Rochelle
Dexter, Carlos von L.	1919 Ag	New York City
Dial, Morse Grant	1919 M	Fargo, N. D.
Diamant, Joseph	1920 A (Chem)	New York City
Diamond, Benjamin	1919 A	New Brighton
Diamond, Joseph Henry	1919 A	New Brighton
Diamond, Michael Saul	1917 Ar	New Brighton
Dibble, George Turner	1918 Ag	Lima
Dicker, Edward Eugene	1919 L	Ithaca
Dicker, Harry Aaron, A.B.	1917 L	Ithaca
Dickey, Lindsay Kearns	Spec A	Los Angeles, Cal.
Dickey, Marie Therese Genevieve	1918 A	Ithaca
Dickins, George Francis	1919 M	Philadelphia, Pa.
Dickinson, Frederick Walter, B.A., M.A.	Grad	Ithaca
Dickinson, Prescott Reuben	1917 A	Bangor
Dickson, Albert Charles	1920 L	Wilmington, Del.
Dickson, George Manville	1919 M	Scranton, Pa.
Dieckmann, Johanna Mary	1920 A	Buffalo
Diederichs, Hugo N.	1917 M	Dolgeville
Diehl, Leola Marvin	1918 A	Cresskill, N. J.
Diehl, Susan	1919 A	Schenectady
Diel, Agnes Catherine Elizabeth	1919 Ag	New York City
Dietrich, Arthur Max	1919 C	Newark, N. J.
Dietrich, Charles William, jr.	1919 M	Brooklyn
Dietrich, Henry	1917 Ag	Schenectady
Dikeman, Raymond Charles	1919 Ag	Forestville
Dill, Florence Mary	1920 A	Buffalo
Dillard, William Reese, B.S.	1917 C	Washington, Ga.
Dillon, Frances Polk	Spec Ag	Lexington, Va.
Dilts, Douglas Schulhaus	1917 Ag	Lambertville, N. J.
Dimelow, Grace Katherine	1920 Ag	Woodmere
Diment, Horace Kinney	1920 A	Oswego
Dimijian, Aram Housig	1917 C	Adabazar, Turkey
Dimmick, Forrest Lee, A.B.	Grad	Ithaca
Diniz, Waldemiro Affonso	1920 M	Minas Garaes, Brazil
Dinnerstein, Nathan	1917 C	Brooklyn
Dittmar, Albert Louis	1919 C	Williamsport, Pa.
Diven, Emerson Liscum	1920 A	Elmira
Divine, Walter Eber, B.S.	1918 M.D. (N. Y. C.)	Brooklyn
Dixon, Russell F.	1917 Ag	Boonton, N. J.
Dixon, Thomas Woolstone	Spec Ag	Brooklyn
Dixon, Wesley Moon	1918 A	Oak Park, Ill.
Doan, Joseph Ellsworth, jr.	1919 Ar	Coatesville, Pa.
Dobbs, Earl M., D.V.M.	Grad	Berkeley, Cal.
Dobrosckv, Ernest Daniel	1917 A (Chem)	Yonkers
Dodd, Wilson Farnsworth, Litt.B.	1920 M.D. (N. Y. C.)	Montclair, N. J.
Dodds, Dorothy Day	1920 A	London, O.
Dodge, Emmet Harry	1921 M	Akron, O.
Dodge, Frederick Bradstreet, jr.	1920 M	Ensley, Ala.
Dodge, Harold McKendree	1919 A	Rockland
Dodge, Ruth Lucinda	1918 Ag	Massena
Dodson, DeWitt	1920 M	Buffalo
Doelling, Hans Alfred Adalbert	1920 A	New Rochelle
von Doehnoff, Dorothea, A.B.	1919 M.D. (N. Y. C.)	New York City
Doerr, Edwin Philip	1918 Ar	Chicago, Ill.
Doetsch, Irving Haier	1917 Ag	Hamburg
Dohrmann, William Frederick	1919 M	Clarksville, Tenn.

Dole, John Luther	1918 A	Chicago, Ill.
Dolson, Guy Carleton Bayley	1918 A	New Paltz
Donaghy, Williard Rodney	1920 Ag	Winchester, N. H.
Donahue, William Bernard	1918 Ag	New York City
Donaldson, Cortlandt Beekman	1918 M	Grantwood, N. J.
Donaldson, John Owen Willson	1921 C	Governor's Island
Donlon, Joanna Margaret	1918 A	Utica
Donlon, Mary Honor	1920 L	Utica
Donnelly, Norman Earle	1919 M	Brooklyn
Dooley, James Leo	1920 V	Camillus
Doolittle, Sidney Clark	1918 Ag	Utica
Doremus, Russell Jacobus	1919 C	Newark, N. J.
Dorrance, Henry Turner	1920 A	Camden
Dorrance, Neil Hill	1918 A	Camden
Dorsey, Daniel Ambrose	1920 A	Towanda, Pa.
Dorsey, Ernest, B.S.	Grad	Dresden, O.
Doty, Kenneth McIntyre	1919 Ar	Geneseo
Dougherty, Holden Manchester	1918 A	Evanston, Ill.
Dougherty, John Augustus	1920 L	Ithaca
Doughty, John Cozine	1920 Ag	New York City
Douglas, Damon Greenleaf	1919 C	Richmond Hill
Douglass, Richmond, A. B.	1920 M.D. (N. Y. C.)	Shanghai, China
Douglass, Will A., A.B.	Grad	Chicago, Ill.
Douglass, William Boone, jr.	1920 A (Chem)	Washington, D. C.
Dow, Allan Wade, jr.	1920 M	New Milford, Conn.
Dowd, John Donald	1917 A	Salamanca
Dowling, Cloyd James	1919 L	Houston, Tex.
Downer, Ira Norman	1918 Ag	Orange, N. J.
Downing, Frank Guignon	1920 Ag	Richmond Hill
Downs, Lucibel Irving	1919 A	East Quogue
Downs, Sewell Henry	1920 M	Riverhead
Drabelle, Philip George	1917 Ag	St. Louis, Mo.
Dragat, Edward Saul	1920 L	Hartford, Conn.
Drago, Louis	1919 A	Richmond Hill
Drake, Elizabeth Mary	1919 A	Brooklyn
Drake, Frederic Dalton	1919 Ag	Buffalo
Drake, Frederick Lewis	1919 Ar	Hazleton, Pa.
Drake, Harold	1921 M	Dunkirk
Drake, Horace Kenneth	1920 Ag	Ithaca
Drake, Milton Carey	1920 A	Friendship
Drake, Paul Woodhull	1921 Ar	Morristown, N. J.
Drake, Russell Raymond	1919 Ag	Dunkirk
Drescher, Herbert Carlton	1918 L	Brooklyn
Dresser, Ivan Chandler	1919 A	Ithaca
Dressler, Ernestine May	1917 A	Brooklyn
Driscoll, James Francis	1917 C	Ithaca
Driscoll, Lucy Angela	1917 Ag	Ithaca
Driver, Wilbur J.	1918 M	New York City
Dryer, Harwood Brownell	Spec Ar	Rochester
DuBois, Lester Wells	1918 M	Brooklyn
DuBois, Raymond Van Orden	1920 Ag	Forest Glen
DuCase, Francis Kilian	1918 A (Chem)	New York City
Ducasse, Vidal	1920 C	Havana, Cuba
Duckham, William Albert	1917 Ag	Pittsburgh, Pa.
Duffee, Edward Lowe	1919 C	Washington, D. C.
Duffee, Stanley Brittain	1920 Ag	Washington, D. C.
Duffy, Francis Joseph	1920 M	Malone
Dugan, Thomas Henry, jr.	1917 A	New York City
Duke, Harold	1920 L	Wellsville
DuMond, Frank Lee	1920 Ag	Kingston
Dunbar, Clarence William	1918 Ar	Cleveland, O.
Dunbar, Daniel Gleason	1920 Ag	Rochester
Duncan, Charles Eugene	1918 V	Brooklyn
Duncan, Daniel Tompkins, B.S.	1918 C	Ninety-Six, S. C.
Duncan, Gilbert Wade	1919 M	Pittsburgh, Pa.
Duncan, John Howard	1919 A	Brooklyn
Duncan, Natalie Woodland	1920 Ar	Philipsburg, Pa.
Duncan, Walter Irving Lincoln	1920 Ag	New York City
Dunham, Carrell Kenneth	1918 Ag	Portland, Me.
Dunham, Cleon Leslie, jr.	1917 Ag	Lebanon
Dunham, DeWitt Upham	1917 Ag	Lebanon
Dunlap, Harry Wade, jr.	1918 A	Pittsburgh, Pa.
Dunlap, Vining Campbell, A.B., A.M.	Grad	Bowdoinham, Me.
Dunlop, David	1919 Ag	Petersburg, Va.
Dunn, George William	1918 L	Rensselaer Heights
Dunn, Harry Keable	1920 L	Buffalo
Dunn, Hazel Sarah	1919 Ag	Ithaca
Dunn, Percy Lawrence	1919 Ag	Ithaca
Durfee, Dorothea Diana	1919 Ag	Batavia
Durfee, Rufus Lee	1917 A, 1920 M.D.	Binghamton

Durham, George Eugene	1919 Ag	Carthage, Mo.
Durham, Richard Ferris	1919 A	Greenville, S. C.
Durr, Eugene Blakely	1917 A	Taylorville, Ill.
Duryea, Beatrice Louise	1918 Ag	Johnson City
Duryea, Leslie Noyes	1921 M	Auburn
Dusham, Edward Henry, A.B., M.S.	Grad	State College, Pa.
Dusman, Gilbert Henry	1921 M	York, Pa.
Dutcher, Frederick Harris	1917 M	Montclair, N. J.
Dyckman, Richard Pluymert	1919 A (Chem)	Orange, N. J.
Dye, Harry Wilmer, B.S. in Agr., M.S. in Agr.	Grad	New Matamoras, O.
Dye, J. Alma, A.B.	Grad	Basalt, Idaho
Dye, Marvin Rood	1917 L	Forestville
Dynes, Oliver Wesley, B.S., M.S. in Agr.	Grad	Fargo, N. D.
Eagan, Thomas Leggett	1920 M	Washington, D. C.
Eagle, Bryan Munroe	1919 Ag	Little Rock, Ark.
Eakle, Edward Harmon	1918 A	Washington, D. C.
Eakle, John Chester	1917 Ar	Washington, D. C.
Earl, James Stanley	1920 Ag	Unadilla
Earle, Charles Bull	1919 A	Mount Vernon
Earnshaw, Ralph	1917 M	Manila, P. I.
Eastman, Roger	1918 Ar	Orange, N. J.
Eastman, Roger Gannett	1919 Ag	Belleville
Eastman, William Bently	1917 Ag	Belleville
Eastman, William Henry	1917 A	Saginaw, Mich.
Eastwick, Joseph Lees	1918 A	Norristown, Pa.
Eaton, Orson Northrop	1917 Ag	Camden
Ebaugh, Lionel Albert	1917 M	Bellevue, Pa.
Ebberts, Alfred Raymond	1918 A (Chem)	Pittsburgh, Pa.
Ebert, Milford Earl	1920 Ag	Hamburg
Eckhardt, Albert John	1919 A	Woodhaven
Eckley, Harold James	1918 A	New Rochelle
Eckley, Paul Witherspoon	1917 A, 1920 M.D.	New Kensington, Pa.
Eckley, Winfield, B.S.	1917 M	LaGrande, Ore.
Eddy, Allerton	1920 C	Canaan, Conn.
Eddy, Clarence Ford, B.S.	1920 M.D. (N. Y. C.)	New Rochelle
Edmunds, Robert Curliss	1918 C	Denver, Colo.
Edson, Joseph Dickson	1920 Ag	Germantown, Pa.
Edson, Laurence Dunbar	1918 Ag	Germantown, Pa.
Edwards, Clifford Conklin	1918 M	East Hampton
Edwards, Faye Lenore	1917 A	Ithaca
Edwards, Harry Moore, jr.	1918 M	Glen Ridge, N. J.
Edwards, James Leland	1917 Ag	New York City
Edwards, John Chubbuck	1919 A (Chem)	New York City
Edwards, Louis Robert Joseph	1917 A	Salt Lake City, Utah
Edwards, Marguerite Warren	1918 A	Patchogue
Edwards, Robert Burr	1919 A	Omaha, Neb.
Edwards, Robert Fielding	1917 C	Brooklyn
Egan, Jean Honora	1919 A	Newark
Egbert, John Peter	1919 Ag	Ithaca
Eger, Bernard Albert	1918 Ag	Walton
Eggers, Alan Louis	1919 L	Summit, N. J.
Ehrhart, Wilbur Wenke	1920 A	Pittsburgh, Pa.
Ehricke, Karl Nicholas	1918 Ag	Albany
Eichelberger, Francis Maury	1920 Ag	Baltimore, Md.
Eichler, Curt	1917 Ag	New York City
Eilenberger, John Thomas	1918 M	Middletown
Eiler, J. Scott	1920 Ag	Pittsburgh, Pa.
Eisenbeis, Herbert Oscar	1918 A	Pittsburgh, Pa.
Eisenbrandt, Alice Alberta	1920 Ag	Baltimore, Md.
Eisenbrandt, Frederick Henry	1918 C	Baltimore, Md.
Eisenstein, Isadore	1919 L	Newark, N. J.
Bisner, Benjamin	1920 C	Trenton, N. J.
Eldridge, John Adams, B.A.	Grad	Ithaca
Eldridge, William Charles	1919 Ag	Washington, D. C.
Ellenberger, Howard Bowman, B.S.A., M.S.Agr.	Grad	Ithaca
Elli, Eduardo Luis Enrique	1921 M	Stgo. del Estero, Argentine
Elliott, Adelaide Hayward	1919 A	Dayton, O.
Elliott, William Perry	1919 A	New Berlin
Ellis, Henry Roemer	1918 V	New Hartford
Ellis, William Douglas	1920 M	Atlanta, Ga.
Elmendorf, Hugh Merle	1917 M	Ithaca
Elmer, Charles Wellington	1919 A	Ithaca
Elsas, Norman Emerson	1918 M	Atlanta, Ga.
Elwood, Edwin Ellis	1919 Ag	Fort Plain
Emanuel, Victor	1919 A	Dayton, O.
Embree, John Harold	1920 M	College Point
Emerson, Alfred Edwards	1918 Ag	New York City
Emerson, Thera	1920 Ag	Ithaca
Emerson, Willard Ingham	1919 A	New York City

Emerson, William Harold	1921 C	Dallas, Tex.
Emich, Harris Crawford	1917 M	Arlington, Md.
Emmons, Ralph Lewis, A.B.	1919 L	Skaneateles
Engel, Samuel	1920 C	Brooklyn
Engelder, Carl John, A.B., B.Chem.	Grad	Ithaca
English, Leah	1918 Ag	Ithaca
Ennis, Charles	1919 Ag	Lyons
Ennis, Hugh John	1917 Ag	New York City
Enos, Everett Emerson	1920 A (Chem)	Gouverneur
Ensign, (Mrs.) Grace Marguerite Sabin	1919 Ag	Brigham, Utah
Ensign, Martin Russell, B.S.	Grad	Brigham, Utah
Ensforth, George Frederick	1919 M	Westfield, Mass.
Eppenstein, James Franks	1919 A	Elgin, Ill.
Eppleur, Charles, jr.	1917 C	New York City
Epps, Joseph Edward, A.B.	1919 C	Norwich, Conn.
Epstein, Emanuel	1921 M	New York City
Erbe, Gustav, jr.	1919 A	Rochester
Erickson, Lawrence, B.A.	Grad	Litchfield, Minn.
Ernst, Lester	1917 Ar	Mendon
Erskine, Archibald Mortimer, B.Chem.	Grad	Ithaca
Erskine, William Hollingsworth	1919 Ar	Montclair, N. J.
Ertman, Vincent Albert	1919 Ar	Herkimer
Erwin, George Lemuel, jr.	1917 M	Kalamazoo, Mich.
Eschweiler, Carl Ferdinand	1918 Ar	Milwaukee, Wis.
Eschweiler, Theodore Lincoln	1919 Ar	Milwaukee, Wis.
Estabrook, Harold Charles	1917 M	Odessa
Estabrook, Kenneth Charlie	1920 Ag	Newfield
Estes, Wellborn	1919 A (Chem)	St. Louis, Mo.
Esty, Charles Glenn	1919 M	Belleville
Ethokin, Louis, A.B.	1917 M	Kewanee, Ill.
Eulenstein, Hildegard	1917 A	Brooklyn
Evans, Earl Radford	1919 M	Great Barrington, Mass.
Evans, Fred Robert	1917 Ag	Turin
Evans, Frederic Charles	1919 M	Great Barrington, Mass.
Evans, Harold James	1917 Ag	Georgetown Station
Evans, Paul DeMund, A.B., A.M.	Grad	Atlanta
Evans, Russell Beaumont	1918 Ag	Paterson, N. J.
Everts, Howard Mortimer	1919 M	Buffalo
Everhard, Robert Holloway	1919 L	Canton, O.
Everitt, William Littell	1920 M	Peekskill
Everts, Frank Orthwein	1920 M	St. Louis, Mo.
Ewald, Henry, jr.	1920 L	Jersey City, N. J.
Ewing, Edward Raymond	1919 M	Norwich Town, Conn.
Ewing, James Allen	1919 L	Youngstown, O.
Eyer, John Robert	1917 A	Dayton, O.
Faber, Henry Alonzo Monfort	1919 A	Jamaica
Fackiner, Lester Harvey	1919 C	West Summit, N. J.
Fahy, Charles Harold	1917 C	Rochester
Fairchild, Edwin Bradley	1919 A	Manila, P. I.
Fairfax, Charles Crittenden	1920 M	Geneva
Faith, Irma Helen	1917 A	New York City
Falconer, Harold Alexander	1919 Ag	New York City
Falconer, Robert Brown	1921 M	Jamestown
Fang, Sze Voo	1917 Ag	Tai, China
Fanslau, Charles Edward	1917 V	Middletown
Farah, Saleem Razi, B.S. in Agr.	Grad	Nazareth, Palestine
Farber, Nicholas Garry	1917 Ag	Hamburg, N. J.
Faria, Edwin Lloyd	1918 M	Brooklyn
Farley, Margaretta	1919 Ag	Campbell Hall
Farley, Stephen Raymond	1918 Ag	Oxford
Farnham, Laurence Vivian	1918 M	Owego
Farnham, Marshall Everts	1917 Ag	Dunkirk
Farnham, William Hursh	1918 A	Buffalo
Farnsworth, Thomas Henderson	1918 Ar	Washington, D. C.
Farquhar, Roger Vereker	1918 L	Red Bank, N. J.
Farr, Muriel Eldra	1920 A	Osborn Bridge
Farrell, Mark Walter	1918 M	Brooklyn
Faulk, Wilfred Webster	1917 Ar	Elizabeth, N. J.
Fauvre, Julian Maus	1917 A	Indianapolis, Ind.
Fay, Alfred Lester	1920 C	Longmeadow, Mass.
Fay, Julius Augustus	1918 Ar	Washington, D. C.
Fayer, Charles	1920 Ag	Elmhurst
Fear, George Obed	Spec Ag	Dunmore, Pa.
Fearing, Ashton Cushing	1920 Ag	New Rochelle
Ferguson, Carroll Dana	1920 Ag	Oneida
Feshan, Arthur Joseph	1919 Ag	Ithaca
Fesley, Alice Frances	1919 A	Seneca Falls
Fels, Paul	1917 C	Brooklyn
Feldman, Samuel	1920 A	Brooklyn

Feldsine, William Carroll	1920 Ag	Poughkeepsie
Felix, Frank Chester	1918 M	Pittsburgh, Pa.
Fellows, Haynes Harold, A.B.	1918 M.D. (N. Y. C.)	Troy
Felter, Robert Kenneth	1920 A	Pearl River
Fennell, Mary Katherine	1918 Ag	Clifton Springs
Fenstermacher, Marqueeene Albertis	1920 Ag	Scranton, Pa.
Fenton, Paul, M.E.	Grad	New York City
Ferguson, Albert Barnett	1917 M.D. (N. Y. C.)	New York City
Ferguson, James Gates	1920 M	Amsterdam
Ferguson, Milton Winter	1921 M	Roanoke, Va.
Ferguson, Russell Sweester	1919 M.D. (N. Y. C.)	New York City
Fernandez-Grau, Francisco, jr., B.L.	1917 C	Cienfuegos, Cuba
Fernow, Karl Hermann, B.S.	Grad	Waterport
Fernschild, Edward Berent	1919 Ag	New Rochelle
Ferrer, Francisco José	1917 C	Consolación del Sur, Cuba
Ferres, Walter Dean, jr.	1920 A	Ridgewood, N. J.
Fertel, Arthur	1920 C	Brooklyn
Ficken, James Franklyn	1918 Ag	Highland Falls
Field, Byron Kenneth	1919 Ag	Port Richmond
Field, Malcolm Hinrichs	1918 Ag	Brooklyn
Fields, Frank Van Duzer	1918 C	Binghamton
Filby, Ellsworth Lincoln	1917 C	New York City
Finch, Frank Rundio	1919 M	Retsof
Finch, Katharine	1918 A	Ithaca
Finch, Ray McAlpine	1918 Ag	Rock Stream
Fincher, Myron Gusten	1920 V	Corfu
Fine, Abraham	1919 A	New York City
Finegan, Louis Anthony	1918 A	Brooklyn
Finkelstein, Benjamin	1918 V	Brooklyn
Finkelstein, Isador	1917 Ag	Ossining
Finkelstein, Merwin Jesse	1919 A (Chem)	Wellsboro, Pa.
Finklestein, Joseph George	1918 A	Albany
Finley, David Henry	1917 C	Kingston
Finn, Thomas David, jr.	1920 C	Exeter, N. H.
Finneran, J. Leo	1918 Ag	North White Lake
Fischer, Alfred Elias	1919 A	New York City
Fischer, Charles William	1920 Ag	Atlantic City, N. J.
Fischer, Harold John	1918 M	Buffalo
Fischer, Hildegard	1920 A	Brooklyn
Fischer, Walter Gordon	1917 Ag	New York City
Fish, Elinor Mary	1919 A	Ithaca
Fish, Jay Howell	1919 Ag	Middletown
Fishbeck, Harold Freeman	1920 L	Brooklyn
Fisher, Clyde Olin, A.B.	Grad	Gatesville, N. C.
Fisher, Daniel Carl	1919 Ag	Clarence
Fisher, Donald	1919 M	Weedsport
Fisher, Douglas Alan	1919 Ag	Philadelphia, Pa.
Fisher, Edwin Grahame	1920 V	Madrid
Fisher, Elbert Russell	1919 M	Mt. Tabor, N. J.
Fisher, Elizabeth Berger	1917 A	Philadelphia, Pa.
Fisher, Gertrude Mae	1918 A	Wilmington, Del.
Fisher, Harold Snedaker	1920 C	Buffalo
Fisher, Henry Sabine	1917 Ag	Hackensack, N. J.
Fisher, Howard Stockman	1918 M	East Orange, N. J.
Fisher, John Edward	1918 C	Ithaca
Fisher, Leicester Wright	1919 M	Huguenot Park
Fisher, Marion Cornelia	1919 A	Ithaca
Fishman, Benjamin	1919 C	New York City
Fiske, Frederic Ebell, A.B.	Grad	Ithaca
Fistere, Joseph, jr.	1919 A (Chem)	New York City
Fitelson, Jacob	1917 Ar	South Norwalk, Conn.
Fitz, Henry Irving	Spec M	Peconic
Fitzgerald, Donald Duncan	1918 M	Roscoe
Fitzgerald, Edward Marcus	1921 M	Minden, La.
Fitzgerald, Eugene Bernard	1918 Ag	Minden, La.
Fitzgerald, James William	1918 C	Clayton
Fitzpatrick, Paul Early	1921 M	Buffalo
Fitzpatrick, Philip Wright	1917 A	St. Paul, Minn.
Fivie, Grant	1920 Ag	Elmira
Flagg, Kenyon Putnam, B.S.	Grad	Albion
Flanagan, Victor Evans	1918 M	Canon City, Colo.
Flanigan, George Everett	1917 Ag	Watervliet
Flanner, Philip Douglas	1919 Ag	Blackwell, Wis.
Flannery, Harold Arthur	1917 A	Addison
Flannery, Joseph Michael	1918 V	Saratoga Springs
Flather, Alice Virginia	1917 A	Nashua, N. H.
Flaxman, Emanuel M.	1920 L	New York City
Fleck, Jesse Warren	1921 C	New York City
Fleming, Harvey Carruthers	1921 M	Chicago, Ill.
Fleming, Howard Fordham	1918 V	Walden

Fletcher, Irving John	1920 M	New Britain, Conn.
Fletcher, Robert James	1917 A (Chem)	New Britain, Conn.
Flinn, Helen Louise	1920 A	Erie, Pa.
Flint, Amy Louise Lord	1920 A	Ithaca
Flint, Helen Rosamond Lord	1917 Ag	Ithaca
Flint, Joseph Howard	1920 A (Chem)	Athens
Flint, Kenneth Stanton	1919 Ag	St. Johnsbury, Vt.
Flock, Howard Boyer	1917 Ag	Williamsport, Pa.
Flockhart, Marguerite Craig	1918 A	Newark, N. J.
Flood, Edward Paul, A.B.	1917 M.D. (N. Y. C.)	Albany
Florence, Laura, B.Sc., M.A.	Grad	Aberdeen, Scotland
Florsheim, Harold Milton	1920 A	Chicago, Ill.
Floyd, George David, B.Sc.,	Grad	Picton, N. S., Canada
Fogelman, Raymond	1917 Ag	Passaic, N. J.
Foglesong, John Edward, B.A., M.A.	Grad	Niagara Falls
Folger, Bertrand King	1919 C	Bronxville
Fonda, Albert Dow	1917 Ag	Fonda
Fonda, Cornelia Dockstader	1917 Ag	Fonda
Force, Albert William	1919 Ag	Ithaca
Ford, David Cooley	1920 A	Ashtabula, O.
Ford, Mary Ellen	1919 A	Belfast
deForest, John Wright	1919 L	Brookline, Mass.
Forman, Horace Baker, 3d	1918 Ag	Kitchawan
Forrester, Edgar Lincoln	1918 Ag	Ogdensburg
Fortier, Ernest Cleveland	1918 C	Washington, D. C.
Fortune, Ethel Margaret	1920 Ag	Malone
Foss, Frank Kent	1917 A	Chicago, Ill.
Foster, Edgar Wolcott	1920 M	Rutherford, N. J.
Foster, Florence Meritt, A.B.	Grad	Los Angeles, Cal.
Foster, Gale Rolland	1920 A	Lysander
Foster, Jennie Martha Guthrie	1918 L	Ithaca
Foster, Ruth	1920 A	Central Park
Foster, Willard Stillwell	1917 C	Rutherford, N. J.
Fowler, Almon James	1919 Ag	Wyoming, Pa.
Fox, DeForest Eben	1919 A	Worcester
Fox, James Hicks	1919 A	New Rochelle
Fox, Jeanette Minnie Meyerowitz	1920 A	Buffalo
Fox, Kenneth Clark	Grad	Hancock
Fraleigh, Percy Austin	1917 A	Poughkeepsie
France, Morris Giles	1920 Ag	Seward
Francis, William Bebb, B.S.	1918 V	College Station, Tex.
Franco, Carlos Gonzaga	1920 M	Sao Paulo, Brazil
Frank, Armin Charenton	1917 Ar	Milwaukee, Wis.
Frank, Charles Herr	1920 L	Marion, O.
Frank, Jacob Lyall Louis	1920 Ag	Buffalo
Frank, Louis	1919 A	New York City
Frank, Mary Irene	1919 A	Oil City, Pa.
Frank, Sophia Dorothy	1920 Ag	Brooklyn
Franklin, George Thomas	1917 L	Ovid
Franklin, John Pearson	1919 A	Muncie, Ind.
Franklin, Leonard Anthony	1920 C	Prospect Plains, N. J.
Franklin, Paul Benjamin	1920 A	New York City
Franks, Norvin Harry	1919 M	Chicago, Ill.
Franzheim, William Alfred	1917 A	Wheeling, West Va.
Fraser, Allan Cameron, B.S.	Grad	Buffalo
Fraser, Cuthbert Bancroft	1919 Ag	Buffalo
Fraser, Russell Andrew	1919 M	New York City
Fraser, Robert Stewart Menzies	1917 Ag	Burlington, Wis.
Fratanduno, Frank Antony	1920 M	Bala, Pa.
Fredette, Franklin Eugene, B.S.	Grad	Wilkinsburg, Pa.
Freedman, Louis	1919 L	Sea Cliff
Freeman, William Roland Miller	1918 Ag	Carthage
Frehee, Bertha Kathryn	1918 A	Westfield
French, Allen Sidney	1917 A	Cincinnati, O.
French, Thomas Morton, A.B.	1920 M.D. (N. Y. C.)	Jamaica
French, Walter Hoyt	1919 A	Oak Park, Ill.
French, William Gilmore	1918 Ar	Jamaica
Frenkel, George Plant	1920 A	New York City
Frenkel, Leo Samuel	1918 A	New York City
Freston, Julian Maxwell	1920 A	Milton-on-Hudson
Fretz, Helen	1917 A	Pipersville, Pa.
Freund, Gustav Louis	1918 A (Chem)	New York City
Freund, Joseph	1917 Ag	New York City
Freund, Regene	1920 L	New York City
Frick, Edwin Jacob	1918 V	New York City
Fricke, Richard Felix	1917 Ag	Ebenezer
Friderici, Edwin Daniel	1918 A	Amsterdam
Friderici, Kenneth Schuyler	1920 V	Amsterdam
Friedenberg, Benjamin	1917 C	Brooklyn
Friedlander, Frank Victor	1918 A (Chem)	New York City

Friedlich, Robert Emanuel	1920 M	Brighton
Friedline, Cora Louisa, A.B., A.M.	Grad	Lincoln, Neb.
Friedman, Eli Maurice	1917 A	Massena
Friedrich, John Charles	1919 M	Red Wing, Minn.
Fries, Madeline	1918 A	Brooklyn
Fries, Margaret Evelyn, B.A.	1920 M.D.	New York City
Frischman, Arthur	1918 A	New York City
Fritz, Charles Tuller	1919 A	Philadelphia, Pa.
Fritz, Edward, jr.	1920 C	Poughkeepsie
Frobisher, Martin, jr.	1920 Ag	Englewood, N. J.
Frosch, Valerie Elfrieda	1919 A	East Herkimer
Frost, Stuart Ward, B.S.	Grad	Tarrytown
Frost, Wayland Patterson	1917 Ag	Keene, N. H.
Frost, Walter Sprague, B.S.	Grad	Ithaca
Fruchtbaum, Jacob	1917 C	Brooklyn
Fry, Miles William	1920 Ag	Ephrata, Pa.
Frye, Carl Brewer	1919 A	Canton, Pa.
Fuchs, Fred	1920 M	Brooklyn
Fuchs, Jacob	1917 C	New York City
Fuchs, Louis	1917 Ag	New York City
Fuchs, Nathaniel	1919 A (Chem)	Brooklyn
Fujikura, Kenjiro	1917 Ar	Tokyo, Japan
Fuller, Albert Goldey	1918 Ag	Brooklyn
Fuller, Harold Bentley	1919 Ag	Greene
Fuller, Harold Van Marter	1918 Ag	Groton
Fuller, James Ellsworth	1920 Ag	E. Hartford, Conn.
Fuller, James West	1920 V	Springville
Fuller, Revilo Franklyn	1917 Ar	Winnetka, Ill.
Fuller, Robert Wesley	1918 V	Cuba
Fulton, Elizabeth Mills	1918 A	Massena
Fulton, Philip Allison, Ph.B.	1921 M	Massena
Funkhouser, William Delbert, A.B., A.M., Ph.D.	Grad	Ithaca
Funnell, Esther Hawley	1919 Ag	Huntington
Funston, William Howard	1917 Ag	Schuylerville
Gaboff, Angel	1918 Ag	Tirnovno, Bulgaria
Gaertner, Henry Arthur	1918 M	New York City
Gage, George Raymond, B.S., M.S.	Grad-	Atlantic City, N. J.
Gage, William Alexander	1918 Ag	Johnsonville
Gager, Howard Winthrop	1920 M	Columbus, O.
Gaither, Jasper Clyde, A.B.	Grad	Concord, N. C.
Galanter, Florence Ethel	1917 A	Burlington, N. J.
Galbreath, Louis Julian	1917 M	Titusville, Pa.
Gale, Manly Mason	1918 Ag	Groton
Galinsky, Samuel	1920 V	Utica
Galland, Walter Isaac, A.B.	1920 M.D.	Wilkes-Barre, Pa.
Galloway, Albert Roe	1920 A	Wallkill
Gamble, Dean La Fever, B.S.	Grad	Ithaca
Gandia, Hector	1919 M	Toa-Baja, Porto Rico
Gantz, Joseph Milton	Spec L	Wilkes-Barre, Pa.
Garbarino, Joseph Andrew	1917 M	Midvale, N. J.
Gardiner, John Caldwell Corliss	1917 Ag	New York City
Gardner, John Albert	1921 M	Grand Valley, Col.
Gardner, Roger Warren	1920 L	Union Springs
Gardner, William Hemstreet	1921 Ar	Oak Park, Ill.
Gargiulo, William Randolph	1917 L	Brooklyn
Garmey, Clifford Ronald	1918 M	Brooklyn
Garnjost, Alexander Hamilton	1917 A	Yonkers
Garrett, Robert McDonald	1919 A	Fort Garrett, Ky.
Gartelmann, John Harry	1920 Ag	Whitestone
Garver, Paul Leslie	1918 M	Buffalo
Garwood, Robert Daniel, Ph.B.	Grad	Canaseraga
Gary, Herbert Laird	1919 M	Ashtabula, Ohio
Gates, Mrs. Barbara Mineur	Spec Ag	Ithaca
Gates, Copeland Ensign	1917 Ag	Kingston
Gates, Edmund Jayne, A.B.	1917 L	Wilkes-Barre, Pa.
Gates, John George	1917 M	Lancaster, Pa.
Gaty, Theodore Emmett, jr.	1918 Ag	Morristown, N. J.
Gauger, William Henry	1920 A (Chem)	Buffalo
Gaus, Albert Reinhard	1921 M	Pittsburgh, Pa.
Gavett, Joseph William, jr., M.E.	Grad	Plainfield, N. J.
Gavett, Robert Malcolm	1918 Ag	Plainfield, N. J.
Gawne, Spenser Stranahan	1920 A	Cleveland, O.
Gaylord, Carley Calvin	1919 Ag	Castle Creek
Gebhard, John Charles	1919 C	New York City
Geer, Raymond Harold	1919 A	Highland Park, Ill.
Geiger, Davis Earl	1920 Ag	Ashland, Ky.
Gelsenhoff, Ruth Rebecca	1920 Ag	Oneida
Gelb, Maurice, B.S.	1920 M.D. (N. Y. C.)	New York City

Gennell, Charles	1918 A	Harrison, N. J.
Gennis, Milton H.	1921 M	Dolgeville
Gentile, Edward Eugene	1920 C	Brooklyn
Genung, Harold Bowman	1918 V	Ithaca
George, Eleanor Miller	1920 Ag	Freeville
Georgia, Frederick Raymond, B.Chem.	Grad	Ithaca
Gerber, Gustave Augustus	1917 Ag	Brooklyn
Gerber, Helene Adele Henriette	1919 A	Stapleton
Gerber, Marian	1920 A	Philadelphia, Pa.
Gerken, Edward Ridley	1920 M	Brooklyn
Germer, Lester Halbert	1917 A	Canastota
Gershovaky, Hyman William	1918 V	New York City
Gershoy, Alexander Morris	1918 Ag	New York City
Gershoy, Leo	1919 A	New York City
Gibbon, William Rose	1918 M	Los Angeles, Cal.
Gibbons, Lois Oliphant, A.B., M.A.	Grad	Philadelphia, Pa.
Gibbs, Helen Louise	1918 Ag	Ithaca
Gibson, Arthur Edward	1918 Ag	Brooklyn
Gibson, A. Wright	1918 Ag	Freehold
Gibson, Gilbert Sage	1920 A	Norwich
Gibson, Howard Lyon	1919 M	Washington, D. C.
Gibson, Irene Mildred	1918 A	Holley
Gidley, Everett Fenton	1919 A (Chem)	Johnstown
Gierke, Alfred Gustav	1917 V	Weedsport
Gifford, Grace Melissa	1918 A	Ithaca
Gifford, Harold Benedict	1919 Ag	Gloversville
Gilbert, Alexander Joseph	1918 Ag	Ogdensburg
Gilcher, Ralph Jacob	1917 M	Danville, Ky.
Gilchrist, Raleigh, A. B. in Chem.	Grad	Great Falls, Mont.
Gilchrist, Ralph Alexander	1919 A	Yonkers
Gillfillan, Freda Jane	1917 Ar	St. Johnsbury, Vt.
Gill, Nellie Frances	1919 A	Scranton, Pa.
Gillam, Gertrude Asenathe	1919 A	Lockport
Gilleran, William James	1918 L	Ellenville
Gillespie, George Earl	1919 A	No. Tonawanda
Gillett, Ida Jane	1919 Ag	Colden
Gillett, Maurice Edwin	1920 C	Niagara Falls
Gillett, Roy Lewis	1917 Ag	Colden
Gillette, Paul	1919 L	Ithaca
Gillies, Frederick Montague	1918 A	Chicago, Ill.
Gilligan, Eugene Francis	1919 L	Brooklyn
Gilman, Charles Frank	1918 Ag	Ithaca
Gilman, Herbert Lester	1917 V	Brooklyn
Gilman, Joseph Thayer, jr.	1920 M	Toledo, O.
Gilmartin, Daniel Thomas, jr.	1918 A	Westfield, N. J.
Gilmour, Madeline Fay	1920 A	Vernon Centre
Gilroy, Walter Emmet	1918 V	Plattsburg
Ginsberg, Hyman	1919 Ag	Brooklyn
Ginsburg, Abram	1919 L	Elmira
Ginsburg, Samuel	1917 Ag	New York City
Girard, Irene Amelia, A.B.	Grad	Lafayette, La.
Girard, Peter Fred, jr.	1919 C	Plattsburg
Girdner, Adela Overton	1918 A	New York City
Girdner, Mary Evelyn	1919 A	New York City
Gist, Samuel Colver, jr.	1919 Ag	Ithaca
Glaser, Jerome	1919 A	Sayre, Pa.
Glaser, Benjamin Frank	1920 A (Chem)	New York City
Glaser, Michael Herbert, A.B.	1917 M.D. (N.Y.C.)	New Haven, Conn.
Gleason, Edmund Humphrey	1917 Ag	Groton
Gleason, John Mortimer	1919 A (Chem)	Grand Haven, Mich.
Gleason, Josephine Mixer, A.B.	Grad	North Adams, Mass.
Glenning, William Lex	1919 C	Brooklyn
Glick, Harry Naylor	1917 A, 1920 M.D.	Woodbine, N. J.
Globus, Joseph Haim, B.S.	1917 M.D. (N.Y.C.)	New York City
Glover, Elizabeth Haddon	1920 A	Haddonfield, N. J.
Gluck, Jacob	1917 Ag	Brooklyn
Goddahn, Arnold Walter	1918 Ag	Jamaica
Goertz, Herbert Arthur	1917 L	Newark, N. J.
Gold, Harry	1919 A	Schenectady
Goldbaum, Jesse Morris	1918 A	Brooklyn
Goldberg, Elias	1920 Ag	Wilna, Russia
Goldberg, Harry	1918 Ag	Brooklyn
Goldberg, Joseph	1919 A (Chem)	Brooklyn
Goldberg, Jacob Samson, A.B.	1918 M.D. (N.Y.C.)	New York City
Goldberg, Louis	1917 Ag	Coney Island
Goldberg, Samuel	1919 Ag	Brooklyn
Goldberg, Samuel Alexander, D.V.M., A.M.	Grad	Ithaca
Goldberg, William	1920 A (Chem)	Detroit, Mich.
Golden, Nelson Garlock	1917 M	Schenectady

Goldman, Agnes, A.B., M.A.	Grad (N. Y. C.)	New York City
Goldman, Meyer	Spec Ag	Ithaca
Goldstein, Bessie	1918 A	Buffalo
Goldstein, Joseph	1918 C	New York City
Goldstein, Lemuel Caro	1918 A	New York City
Goldstein, Meyer Maurice	1921 C	Buffalo
Goldstein, Morris Charles	1920 L	New York City
Gonzalez, Paulino Joseph	1918 Ag	El Paso, Tex.
Goodale, Edgar Clement	1919 Ag	Riverhead
Goodman, William Edward	1917 M	Chicago, Ill.
Goodnow, George Nichols	1920 A	Highland Park, Ill.
Goodwin, Christine Mary	1918 Ag	Berwick, Me.
Gordon, Alexander	1919 Ag	New York City
Gordon, Chauncey Jerome	1919 A	Brooklyn
Gordon, George	1917 C	New York City
Gordon, George Benedict	1919 Ag	Chappaqua
Gordon, James Rufus	1919 A	Chappaqua
Gordon, Patrick Lamb, B.S. M.D.	Spec M.D. (N.Y.C.)	Charleston, W. Va.
Gorke, Frederick Kenneth	1920 Ag	Syracuse
Gorton, Raymond Vaughn	1917 V	Binghamton
Gosling, Walter Woodley	1920 Ag	Brooklyn
Gotsdanker, Morris	1919 A	Brooklyn
Gottlieb, Samuel	1919 Ag	New York City
Gottschalk, Louis	1919 A	Brooklyn
Gould, Clifford Morton	1919 A	Horseheads
Gould, DeWitt Clinton	1920 Ag	Newark
Gove, Richard Everest	1920 A	Peru
Grace, Charles Oliver	1917 V	Dundee
Graeb, Irving Paul	1920 Ag	New York City
Graesser, Albert Clarence	1918 A	Charleston, S. C.
Graessle, Howard David	1918 A	Newport, Ky.
Graham, Raymond Dinsmore	1919 Ag	Cooks Falls
Graham, Vi Arvin	1917 A	Richmond, Va.
Gram, Ernst, M.Sc.	Grad	Landsognet, Soro, Denmark
Grandin, Louise	1918 A	Westfield
Grandy, Clayton Curtis	1917 A	Cleveland, O.
Granovetter, Joseph	1918 Ag	New York City
Grant, Robert James	1917 A (Chem)	Buffalo
Grant, Robert Parks, jr.	1919 L	Clayton
Grant, Wilbur Franklin	1918 V	Ithaca
Grantham, Guy Everett, A.B., A.M.	Grad	Ithaca
Grantz, Walter Anton Henry	1919 C	Brooklyn
Granville, Grace Madaline	1919 A	Ithaca
Graves, James de Graffenriede	1917 Ar	Neporset
Graves, Joseph Napoleon	1917 V	Plattsburg
Gray, Donald McKinstry	1919 Ag	Hudson
Gray, Dorothy Millen	1918 Ag	Cape Vincent
Gray, H. Paul	1917 V	Pine Plains
Gray, James Edward	1918 A	Hamden
Gray, Joseph Howard	1917 C	Elizabeth, N. J.
Gray, Laura Winifred	1919 A	Troy
Gray, Nathan	1920 A	Amsterdam
Gray, Ralph	1920 C	Maine
Gray, Ralph Chapin	1918 M	Honolulu, Hawaii
Green, Andrew Haswell	1919 Ag	Chicago, Ill.
Green, Archibald Worthy, Ph.B.	Spec C.	Auburn
Green, Eustace Edward, jr., A.B.	1918 Ag	Macon, Ga.
Green, Irene Ella	1919 A	Philadelphia, Pa.
Green, Ralph Waldo, B.S.	Grad	Ithaca
Green, Robert Sylvester	1920 Ag	Brooklyn
Green, William Stuart	1917 M	Chicago, Ill.
Greenawalt, Hilda Louise	1919 Ag	Denver, Colo.
Greenberg, Henry Wolfe	1918 A	Flushing
Greenberg, Isadore	1921 C	Myerstown, Pa.
Greenberg, Isidore Irving	1919 Ag	New York City
Greenberg, Samuel Charles	1919 C	Brooklyn
Greene, Harry Robert	1918 V	Solvay
Greene, Lewis	1920 A (Chem)	Brooklyn
Greene, Robert Halgin	1921 M	Brooklyn
Greenland, Cyril Walter, B.S.	Grad	Port Arthur, Ont., Can.
Greenwood, Raymond Crossman	1918 M	Newark
Greenwood, William Barton	1919 Ag	Washington, D. C.
Gregory, Archibald Cyrus Edson	1919 L	Jersey City, N. J.
Greil, Roman Jacob	1920 Ag	Montgomery, Ala.
Greiner, Louis, A.B.	1917 M.D. (N.Y.C.)	New York City
Grenier, Marie Josephine	1917 A	Buffalo
Greaser, Albert Parsons	1917 Ag	Brooklyn
Greuter, Rudolf Ernst	1917 M	Cincinnati, O.
Grider, Alexander T.	1920 M	Ithaca
Griffin, Clement Leroux	1920 A (Chem)	Stamford, Conn.

Griffin, Edna Mae	1918 Ag	Ithaca
Griffin, Frank Alexander	1920 A (Chem)	Stamford, Conn.
Griffin, Mary Hulda	1920 Ag	Richmond Hill
Griffin, Smith George	1920 V	Ithaca
Griffin, Wray Wallace	1920 Ag	Fair Haven, Vt.
Griffith, Dorothy Elizabeth	1918 A	Chicago, Ill.
Griffith, Fred Crumb, A.B.	1918 C	Utica
Griffith, Jean Paul	1917 Ag	Chautauqua
Griggs, Edward Reginald	1919 M	Glens Falls
Grigson, William Herbert	1920 Ag	Westfield, Pa.
Grimes, Esther	1918 Ag	Philadelphia, Pa.
Grimes, Marcia	1918 Ag	Philadelphia, Pa.
Grimm, Charles Mentel	1919 M	Dayton, O.
Grinnell, Harold Clayton	1919 Ag	Broadalbin
Grinnella, Claude Delbert	1918 V	Stewart, Minn.
Griswold, Demetrius Wilbur	1921 M	Port Clinton, O.
Griswold, Grace Hall	1919 Ag	Grand Rapids, Mich.
Griswold, Ralph Esty, B.S.	Grad	Ithaca
Gromfne, John Jacob	1917 C	Buffalo
Grosklaus, Olive	1919 A	Jersey City, N. J.
Gross, Max	1917 C	Brooklyn
Grossman, Louis Eugene	1919 A	New Orleans, La.
Grow, Harold Jennings	1918 M	East Orange, N. J.
Grubnick, Max	1919 Ag	Brooklyn
Guentert, Leo	1919 Ag	Utica
Guernsey, Mary Ryder	1917 A	Yonkers
Guffanti, Madeline	1920 Ag	New York City
Guggenheim, Jack Albert	1918 A	Cincinnati, O.
Guilbert, Richard Thomas	1917 C	Newark, N. J.
Guild, Clyde Monroe	1920 A	Cuba
Guion, Connie Myers, B.A., A.M.	1917 M.D. (N.Y.C.)	Charlotte, N. C.
Gulden, William, jr.	1919 L	Weehawken, N. J.
Guldi, Walter Edward	1918 M	Sayville
Gunsel, Carl	1919 A (Chem)	Johnstown
Gunther, Walter	1919 M	Mendham, N. J.
Gurnee, John Rogers	1920 L	Haverstraw
Gurwitz, Benjamin Harrison	1920 A	Brooklyn
Gustin, Daniel Snyder	1919 A (Chem)	Johnstown
Gutmann, Daniel Nast	1917 A	Chicago, Ill.
Gutmann, Elsie	1920 Ag	Brooklyn
Gutsell, Robert Squier, A.B.	Grad	Ithaca
Gutwillig, Bernard Henry, A.B.	1917 A (Chem) Grad	Far Rockaway
Gwilliam, Ralph Chambers	1919 Ag	Ogden, Utah
Gwinn, John Frasher	1920 Ag	Chicago, Ill.
Haaren, Clarence Stephen	1920 L	New York City
Haber, Vernon Raymond, B.S., M.A.	Grad	Rossburg, O.
Hacker, Theodore Warren	1917 C	Baltimore, Md.
Hadaway, William Stratton	1920 M	Montgomery
Haen, Arthur Gerald	1920 A	Albany
Hagadorn, Maria Louise	1918 A	Canajoharie
Hagan, William Arthur, D.V.M.	Grad	Manhattan, Kans.
Hagen, Albert Montgomery	1917 M	Pittsburgh, Pa.
Hagens, Elmer William	1919 A	Chicago, Ill.
Hagerman, Dudley Barnc	1918 Ag	Southold
Hagerty, Raymond Francis	1917 Ar	Meriden, Conn.
Haggart, William Henry Robinson	1917 C	Fargo, N. Dak.
Hagstrom, Gosta William	1918 Ar	Jamestown
Haines, George	1917 Ag	Pleasantville
Haines, Stanton, jr.	1919 Ag	Hicksville
Hale, Charles Brockway	1920 A	Herkimer
Hale, Maurice Perkins	1919 Ag	Union College
Haley, Alma Mary	1920 Ag	Watertown
Haley, Francis Ambrose	1919 C	Watertown
Hall, Edward Richard	1920 C	St. Petersburg, Fla.
Hall, Francis Cayzer	1920 Ag	Duluth, Minn.
Hall, Gladys Marie	1920 Ag	Oneida
Hall, Hazel Jean	1919 A	Ridgway, Pa.
Hall, Helen Margaret	1917 A	Hudson
Hall, Ina Winning	1918 A	New York City
Hall, Lincoln Norcott	1919 Ar	Chicago, Ill.
Hall, Maynard Erwin	1919 M	Gloversville
Hall, Ralph	1917 Ag	Brooklyn
Hall, Roy	1920 L	Ilion
Hall, Roy Merton	1920 Ag	Hall
Hall, Shirley McElroy	1918 A	Jamestown
Hall, Theodore Edward	1920 A	New York City
Halberg, Norman D'Este	1918 Ar	Chicago, Ill.
Hallett, Henry North	1917 A	Canton, Pa.
Hallman, Joseph Daniel, M.D.	Spec M.D. (N.Y.C.)	Richmond Hill

Hallock, Archibald Cobb	1918 Ag	Rochester
Hallock, Carleton Lee	1917 Ag	Clayton, N. J.
Hallock, William Henry	1920 A	New York City
Halperin, Herman	1920 M	Hamilton, O.
Halsey, Crawford Cook	1918 C	Southampton
Ham, Edwin Sleight, B.S.	Grad	Verbank
Ham, Eugene, jr.	1920 Ag	Verbank
Ham, John Frederick	1918 Ag	Millbrook
Hamann, Henry Godfried Ferdinand	1920 Ag	Brooklyn
Hamblen, Lucy Malinda	1919 A	Castile
Hambleton, Roscoe Lee	1917 M	Orchard Park
Hamburger, Louise Margaret	1919 Ag	Ithaca
Hamilton, Clyde Carney, B.S., M.S.	Grad	Haswell, Colo.
Hamilton, Motte Alston	1920 A	Fall River, Mass.
Hamm, Otto Henry	1917 M	Baltimore, Md.
Hammett, Waldo Bertram	1920 Ag	Portland, Me.
Hammond, Fremont Mortimer, A.B.	1917 M	Patchogue
Hammond, George Norris	1918 Ag	River Forest, Ill.
Hammond, Girard	1918 Ag	New York City
Hammond, John William	1920 A	Ithaca
Hammond, Maynard Charles	1919 Ag	Port Jervis
Hammond, Reginald Gower	1920 M	Chicago, Ill.
Hancock, Alfred Graham	1920 Ag	Buffalo
Hancy, Anna Jane, A.B., A.M.	Grad	Hayts Corners
Hand, Henry Finch	1917 Ag	Laurens
Hand, Leslie Townley	1918 A	Brooklyn
Handwerger, Harry	1918 M	Baltimore, Md.
Hanemann, Herman Andrew	1917 Ag	Delanco, N. J.
Hanford, Russell Evans	1920 A (Chem)	Unionville
Hanighen, John Joseph, jr.	1917 M	Omaha, Neb.
Hankins, Francis William	1919 M	Auburn
Hanna, Chester Wynn	1918 Ag	Lakeville
Hansford, Frances Pierce	Spec Ag	New York City
Harbach, Paul Hyde	1917 Ar	Buffalo
Harber, Abraham Roscoe, B.S.	1920 M.D. (N.Y.C.)	New York City
Harbers, Helene Gerda	1920 A	Brooklyn
Hardecker, John Francis	1917 C	Brooklyn
Harden, James Joseph Henry	1919 Ag	Brooklyn
Harding, Elias Earl	1919 Ag	Albion
Harding, Watson Giles	1917 A	Saranac Lake
Harlan, Clara May, A.B.	Grad	Indianapolis, Ind.
Harper, Harold Glen	1919 A	Delhi
Harper, James Bailey	1920 M	Philadelphia, Pa.
Harrah, Frank West, A.B.	1920 M.D. (N.Y.C.)	Parlett, O.
Harrington, Carlos Elmer	1918 M	Ithaca
Harrington, James Elmer, A.B.	1918 Ag	Littleton, N. H.
Harriott, John Frederick	1920 Ag	Mamaroneck
Harris, Dorothy Margaret	1919 A	Ithaca
Harris, Francis Livingston	1920 L	Chicago, Ill.
Harris, Frederick Mack	1919 C	East Orange, N. J.
Harris, Langdon Williams, jr.	1920 L	Newfield, N. J.
Harris, Leon	1920 L	Hartford, Conn.
Harris, Meyer Mathews, B.S.	1920 M.D. (N.Y.C.)	New York City
Harris, William Abraham	1918 Ag	Greensburg, Pa.
Harrison, Allrich Scheper	1917 C	New York City
Harrison, Bernard James	1920 C	Brooklyn
Harrison, Ethel Ray	1920 A	Philadelphia, Pa.
Harrison, Galen Butts	1920 Ag	Oneonta
Harrison, Helen	1920 Ar	New York City
Harrison, William Henry	1919 Ar	Indianapolis, Ind.
Hart, Charles Whittlesey, jr.	1920 Ag	Stillwater
Hart, John	1918 A	Clarksburg, W. Va.
Hart, Royal Camillus	1918 A	Wyoming, O.
Hart, Roy Jack, B.A.	Spec C	Zirconia, N. C.
Hart, Van Breed, B.S.	Grad	McLean
Hartman, Henry Eugene	1919 Ag	New York City
Hartman, Scott Woodring	1920 Ag	Sayre, Pa.
Hartmayer, Herbert William Keating	1920 C	Buffalo
Hartt, Harold Arthur	1920 A (Chem)	Ravena
Hartzell, Albert, B.S.	Grad	Lebanon, Pa.
Hartzell, Corinne	1919 A	Buffalo
Hartzog, Justin Richardson, B.S.	Grad	Tecumseh, Mich.
Harvey, James Lanning	1920 V	Ithaca
Harvey, Lew Ellsworth, B.S.	Grad	Marathon
Harvey, Lillian Glennys	1920 A	Ithaca
Harvey, Lynwood Norman	1919 Ag	Glens Falls
Harvith, Sophie Harriett	1918 A	Albany
Hasbrouck, Carl Jay	1919 C	Highland
Hasbrouck, Clency Herman	1919 A	Idaho Falls, Idaho
Haslett, Henry Ernest	1917 Ag	Seneca

Hassan, Emin	1919 Ag	Brooklyn
Hasselbeck, Eugene Joseph	1919 A.Chem	Buffalo
Hatch, Alvan Stem	1917 M	Cleveland, O.
Hatch, Arthur William	1920 A	New York City
Hathaway, Henry Bixby	1921 M	Easton, Md.
Hathaway, John Henry	1917 A	New York City
Hathaway, Theodore Borden	1920 M	Fall River, Mass.
Haucke, Frank	1917 Ag	New York City
Haupt, Edwin John	1918 M	Cincinnati, O.
Haupt, John Huyler	1917 A	New York City
Hausman, Ethel Hinckley	1919 Ag	Ithaca
Hausman, Leon Augustus, A.B., M.A.	Grad	Ithaca
Hausner, Harold Smith	1920 Ag	Montour Falls
Havens, Walter Kenneth	1919 M	Southampton
Hawkes, Kenneth Neil	1920 A	Glendora, Cal.
Hawkins, Russell, jr.	1920 M	York, Pa.
Hawks, Howard Winchester	1919 M	Pasadena, Cal.
Hawley, Nathan Henderson	1919 A	Albany
Haydock, John, 3d	1917 M	New York City
Hayes, George De Nise	1921 C	Olean
Hayes, Walter Sherman	1918 M	Toledo, O.
Hayner, Charlotte Irene	1917 A	Troy
Hays, Henry Clay, M.D.	Spec M.D. (N.Y.C.)	Princeton, W. Va.
Haywood, Albert, jr.	1919 Ag	Flushing
Haywood, Henry, jr., B.S.	1917 M.D. (N.Y.C.)	New Brunswick, N. J.
Hazell, Cyril Ebenezer	1920 M	Alpena, Mich.
Hazen, Christina	1920 A	Ithaca
Hazen, Ruth Irene	1918 Ag	Ithaca
Heald, Willard Richardson	1918 M	Wilmington, Del.
Healey, George Beach	1920 L	Dubuque, Ia.
Healy, James Hopkins	Spec Ag	Sherrill
Heartfield, Maurice Kingsley	1920 A	Newburgh
Heartfield, Seth Wallace	1919 A	Newburgh
Heath, Charles Orville	Grad	Rochester
Heath, Elfreda Curtis	1920 A	Green Island
Hebel, John William, A.B., A.M.	Grad	Auturn, Ind.
Hecht, George Joseph	1917 A	New York City
Hedgcock, Edwin Harvey	1918 M	St. Louis, Mo.
Hedgcock, Elaine Ruth	1920 A	Takoma Park, D. C.
Heertje, Jeanette	1919 A	New York City
Heffernan, George Paul	1917 L	Wilkes-Barre, Pa.
Heggem, Charles Oliver, jr.	1920 M	Massillon, O.
Heidenheim, Rosalind	1918 A	Brooklyn
Heilich, Arthur Chester	1919 C	Elizabeth, N. J.
Heim, Arthur William, 2d	1918 A	Reading, Pa.
Heine, Paul, jr.	1919 Ag	Tompkinsville
Heitmann, Claus Ferdinand	1918 A	Brooklyn
Heilrich, Lester Archibald	1917 A (Chem)	Pleasantville, N. J.
Heller, Anna	1920 A	New York City
Heller, Daniel Hemingway	1919 Ag	Feura Bush
Heller, Joseph Adolph	1917 A	New York City
Helms, Orland Edward	1920 V	Randolph
Helps, Andrew James Ronald	1920 A (Chem)	Upper Montclair, N. J.
Hemmer, Andrew Joseph	1920 A (Chem)	Syracuse
Hemmings, Harry Howard	1917 C	Brooklyn
Hemphill, Rayburn Weeks	1919 M	Akron, O.
Hemphill, Raymond John	1919 A (Chem)	Jamestown
Hendee, Daniel Kelly	1918 Ag	Hornell
Hendee, Robert William	1917 M	Tulsa, Okla.
Hendel, Julius	1920 Ag	Oneida
Hendershot, Lewis Beardsley, B.S.	Grad	Rochester
Henderson, Earl Garrett	1918 M	Columbus, O.
Hendrick, Horace Holley	1919 A	Wolcott
Hendrickson, John Bertram	1920 M	Ridgewood, N. J.
Hendrie, Charles Francis	1919 M	Brooklyn
Hendryx, Harriet Evelyn	1920 Ag	Ithaca
Hendryx, Thomas Kennedy	1921 Ar	Ithaca
Henigbaum, William Klemm	1919 M	Davenport, Ia.
Henry Clifford Ottley	1917 Ag	Canandaigua
Henry, Frank Charles, jr.	1918 A	Perth Amboy, N. J.
Henry, George Leigh	1920 A	Lebanon, N. J.
Henry, Julian Lemonds, B.S.	Grad	Lancaster, Texas
Henry, Lucien Reinhart	1919 A (Chem)	Pittsburgh, Pa.
Henry, Sadie Elise	1919 A	Brooklyn
Hequembourg, Arthur Williams	1918 M	New York City
Hequembourg, Edward Grant	1921 M	New York City
Herben, George Foster, B.S.	1920 M.D. (N.Y.C.)	Westfield, N. J.
Herbstman, Joseph	1919 Ag	Brooklyn
Herman, Abraham	1919 C	Brooklyn
Herman, William Pierce	1920 A	Newark, N. J.

Hernandez, Gabriel	1921 M	Vega Alta, Porto Rico
Hernandez, Julio	1918 Ar	Cardenas, Cuba
Hernandez-Orpi, Enrique	1918 C	Canajuan, Cuba
Herr, Harry Samuel	1917 Ag	Springfield, O.
Herr, Joseph	1918 Ag	Brooklyn
Herrick, Gladys Ethel	1920 Ag	Tunkhannock, Pa.
Herrick, John Knapp	1919 Ag	Kingston
Herriman, Morris Whitney	1919 C	River Forest, Ill.
Herrington, Wilson Andrew	1919 Ag	Ellisville, Miss.
Hershey, Donald H.	1918 L	Rochester
Herskowitz, Louis	1918 M	New York City
Herz, Monroe	1920 M	Elmhurst
Herzer, Philip Charles	1917 V	Ellenville
Hess, Casselman Ben	1920 M	Rochester
Hess, Gladys Marion	1917 Ag	Lyons Falls
Hess, Helen Marguerite	Spec Ag	Lyons Falls
Hess, Walter Norton, A.B., A.M.	Grad	Great Valley
Hetherington, Lyster Meadows	1917 A	East Orange, N. J.
Hettich, Ernest Leopold	1919 A	Ridgefield Park, N. J.
Hettinger, Harold Ingersoll	1920 C	Freeport, Ill.
Heuer, Fred Henry	1918 Ag	Bay Shore
Houser, Gustave Frederick, B.S., M.S. in Agr.	Grad	Buffalo
Hevey, Mary Duddy	1917 Ag	Gloversville
Hewes, Edward Blaine	1919 Ag	Mayville
Hewes, Raymond Porter	1920 Ag	Mayville
von Heygendorff, Leo	1920 Ag	New York City
Hickman, Charles Wesley, jr., B.S. in Agr.	Grad	Lafayette, Ind.
Hickmott, Howard Richmond	1918 Ag	Manchester
Hicks, Byron	1921 M	Cedarhurst
Hicks, Ralph	1918 Ag	Westbury
Hiebeler, George Edward	1918 Ag	Woodside
Hieber, Dorothy Barbara	1920 A	Utica
Hieber, Evelyn Margaret Caroline	1918 A	Utica
Higbee, David Rathburn, A.B.	1917 M.D. (N.Y.C.)	Omaha, Neb.
Higbee, Edwin Converse	1919 M	Cleveland, O.
Higgs, Kenneth Webber	1919 M	Lyndonville
Highhouse, Earl Frederick	1918 M	Titusville, Pa.
Hight, Clarence Brainerd, jr.	1920 M	Washington, D. C.
Hildebrand, Georgina Elizabeth	1917 A	Ridgewood
Hildebrand, Lloyd Daniel	1917 Ag	York, Pa.
Hildreth, Alan Ellsworth	1919 C	Southampton
Hill, Boyd Tinsley	1920 Ar	Freeport, Ill.
Hill, Converse	1918 Ag	Lexington, Mass.
Hill, John Calvin	1920 A	New York City
Hill, Maury	1917 A	St. Louis, Mo.
Hill, Phillip Synyer	1918 M	Oak Park, Ill.
Hill, Roland Hurdon, B.A.	Grad	St. Louis, Mo.
Hill, William Avery	1919 A	Irondequoit
Hillas, James Garniss	1919 Ag	W. Hoboken, N. J.
Hillidge, Marcia Marie	1920 Ag	Front Royal, Va.
Hillman, Charles Allan	1917 C	Newark, N. J.
Hills, Mildred Frances	1918 Ag	Mt. Vernon
Hilton, Alfred Noble	1920 M	Norfolk, Va.
Himwich, Harold Edwin, B.S.	1919 M.D. (N.Y.C.)	New York City
Hinchman, William Rossiter	1918 M	Brooklyn
Hine, Willard Rudolph Bernard	1919 Ag	Gloversville
Hinrichs, Albert Ford	1920 A (Chem)	Glen Ridge, N. J.
Hinrichs, Dunbar Maury	1917 Ag	Glen Ridge, N. J.
Hinrichs, Louis Harold	1920 C	Glen Ridge, N. J.
Hinsdale, Ira Alfred, Ph.B.	1919 M.D. (N.Y.C.)	Camillus
Hipson, Caryl Blaine	1919 Ag	Norwalk, Conn.
Hirsch, Emanuel	1920 C	Amityville
Hirschberg, Leon Frederick	1920 A (Chem)	Brooklyn
Hirschfeld, Bernard Jonas	1918 A	Southampton
Hirschhorn, Jacob	1917 Ag	New York City
Hirsh, Ben Walter, jr.	1920 A	Memphis, Tenn.
Hiscock, George Singleton	1919 C	Southampton
Hitchcock, Dwight Cabot	Spec Ag	Champlain
Hitchcock, Raymond Owen	1920 A	Lyons
Hitchins, Roger Adams	1919 M	Olive Hill, Ky.
Ho, Yun Huang	1917 A	Wuchang, China
Hoag, Isabelle Marguerite	1918 Ag	Deposit
Hoagland, Donald	1920 Ag	Bridgeton, N. J.
Hoagland, Richard Kucher	1918 A	Brooklyn
Hobbs, Perry Marshall	1921 M	Cleveland, O.
Hoblitzelle, Harrison	1917 A	St. Louis, Mo.
Hochman, Samuel	1919 Ag	New York City
Hock, Howard William	1917 A (Chem)	Cressona, Pa.
Hocking, William Robbins	1919 Ag	Govans, Md.
Hodge, Eric Laurance	1919 Ag	Buffalo

Hodgman, Frank Herbert, jr.	1918 M	Brooklyn
Hodson, Edgar Allen, B.S., M.S.	Grad	Athens, Ala.
Hoeck, George Worcester	1919 A	Cincinnati, O.
Hoefner, Ferdinand	1917 Ag	Brooklyn
Hoel, Archie Bernhard, B.A.	Grad	Menomonie, Wis.
Hofeller, Neville Kaiser	1920 C	Buffalo
Hofeller, Robert E.	1919 L	Buffalo
Hofeller, Sigmar Kaiser	1919 C	Buffalo
Hoff, Edwin James	1919 C	Mt. Vernon
Hoffman, Allyn Packard, B.S.	Grad	Elmira
Hoffman, Arthur Lewis	1918 Ag	Elmira
Hoffman, Calista Jane	1918 Ag	Lewiston
Hoffman, Charles Allen	1917 C	Norwich
Hoffman, Harry Brooks	1919 Ag	Elmira
Hoffman, William Albert	1917 Ag	New York City
Hoffnagle, Harry Herbert	1917 A	Westport
Hofmann, George Robinson	1918 M	Pittsburgh, Pa.
Hogan, Agnes Cecilia	1917 Ag	Ithaca
Hogan, John Meredith	1919 A	Taylorville, Ill.
Hogan, Robert Berne	1918 M	Canton, O.
Hogel, Milton Howard, jr.	1920 Ag	New York City
Hogg, Edith Esther	1917 Ag	Titusville, Pa.
Hogle, Hollis Elbridge, jr.	1919 M	Utica
Holcomb, Charles Albert	1918 Ar	Binghamton
Holland, Robert Thomas, M.A.	Grad	Scottsville, Ky.
Hollander, Edward, B.S.	1919 M.D.	New York City
Hollcroft, Temple Rice, B.S., A.B., A.M.	Grad	Alton, Ind.
Hollenback, Warren	1917 L	Lock Haven, Pa.
Hollenbeck, Beatrice Sarah	1918 Ag	Candor
Hollis, Henry French, jr.	1917 A	Washington, D. C.
Hollis, John Coonley	1919 L	New London, N. H.
Holmes, James Sprunt	1920 A	Washington, D. C.
Holmes, Percy Robert	1920 M	Warwick
Holmwood, Harry Freeman	1920 Ag	Orchard Park
Holsapple, Alethe Alida	1918 A	New York City
Holst, Paul Ström	1920 Ag	Tarrytown
Holsted, Milo Ernest, A.B.	1920 M.D. (N.Y.C.)	Wheaton, Ill.
Holstrom, Harry Leonard	1918 M	St. Paul, Minn.
Holt, Harper Allen	1917 L	Ithaca
Holt, Thomas Baird	1918 C	Ithaca
Holt, William Stull	1919 L	Brooklyn
Holton, Oliver Williams	1918 Ag	Catasauqua, Pa.
Homan, Carroll Livingston	1919 M	Sayville
Homer, Edward Clark	1917 M	River Forest, Ill.
Honey, Edwin Earl, B.S.	Grad	Ithaca
Honeywell, Allen Damon	1919 Ag	Geneseo
Hood, Harrison Porter	1918 A (Chem)	Pittsburgh, Pa.
Hooker, Albert Huntington, jr.	1918 A (Chem)	Niagara Falls
Hooker, Douglas Lannin	1919 M	Olean
Hooker, Roger Wolcott	1920 A (Chem)	Niagara Falls
Hooker, Russell Olin	1920 A	Watertown
Hoover, Maurice Jackson, jr.	1920 M	Wyncote, Pa.
Hopkins, Edwin Fraser, B.S.	Grad	Ithaca
Hopkins, Frank Joy	1919 Ag	Ithaca
Hopkins, James Joseph, jr.	1920 Ar	Jersey City, N. J.
Hopkins, Phelps Alvin	Spec Ag	Pittsford
Hopkins, Sydney Watson	1919 Ag	Summit, N. J.
Hopkins, Willard Douglas	1920 Ag	Youngstown
Hopp, George Carle	1920 Ag	Utica
Hopper, Earle Budd	1918 V	Ridgewood, N. J.
Horne, Willard	1919 M	Titusville, Pa.
Horner, Halsted Steelman	1918 A	Tuckerton, N. J.
Horner, Wm. Wattles	1917 Ar	Cleveland, O.
Horton, Harry Davids	1920 M	Easton, Pa.
Hoskins, Edwin Raymond	1918 Ag	Merrifield
Hoskins, Frederic Martin	1919 L	Lyons Falls
Hoskins, Lansing Southwick	1920 L	Seneca Falls
Hosmer, Harriet	1918 A	Buffalo
Hatchkins, Edna Ruth	1919 A	Ithaca
Hatchkins, Herbert Vinton	1917 A	Ithaca
Hatson, Clarence Paul	1918 Ag	Brooklyn
Houck, Edward William	1917 A	Buffalo
Houck, Harvey Francis	1917 M	Elmira
Houck, John Edward	1917 Ag	Buffalo
Hough, Chester Carroll	1917 M	Clarendon, Va.
Hough, Floyd Woodworth	1919 C	Catskill
Hough, Leahie Seymour	1917 Ag	Brooklyn
Hough, Romeyn Beck, jr.	1919 A	Lowville
Houghton, Paul Roswell	1918 V	Fine View
Houghton, William McKinley	1919 Ag	Oneonta

Houk, Gerald Bravo	1920 Ar	Owego
Houston, Claude Monroe	1917 M	Wisner
Houston, Ira Harold	1920 Ag	Goshen
Hovey, Luke Willis	1917 Ag	Bainbridge
Howard, David Joseph	1917 M	Buffalo
Howard, Edward L., M.D.	Spec M.D. (N.Y.C.)	Brownwood, Tex.
Howard, Edwin Laclede	1919 Ar	St. Louis, Mo.
Howard, Edwin Lawrence	1920 Ag	Youngstown
Howard, Harry Irving	1919 L	Washington, D. C.
Howard, John Homet	1917 Ag	Wyalusing, Pa.
Howard, Lynn	1917 Ag	Binghamton
Howarth, Everett Frederic	1918 M	Fitchburg, Mass.
Howay, Johannes Edward	1919 Ag	New York City
Howe, Anna Mayme, B.A., M.A.	Grad	Jordan
Howe, Harold Lloyd	Spec Ag	Franklinville
Howe, Oswald Eugene	1919 M	Oak Park
Howe, Thomas Harold	1917 V	Friendship
Howe, Thomas Miller	1919 M	Cincinnati, O.
Howell, Charles James, jr.	1919 C	Camillus
Howell, George Blaine	1917 L	Ithaca
Howell, George Brokaw	1920 Ar	New Brunswick, N. J.
Howell, Henry Elmer	1920 M	Philadelphia, Pa.
Howell, Sidney Preswick	1917 A	Ithaca
Howell, William Sheldon	1920 A	Rochester
Howes, Wallace Addison	1919 C	Florence, Mass.
Howland, Lloyd Emmer	1920 Ag	Shortsville
Howry, Kirk Wesley	1918 Ag	Denver, Colo.
Hoyt, Creig Simmons, B.S.	Grad	Grove City, Pa.
Hoyt, Floyd Erwin	1918 V	Clay
Hoyt, Mary Katherine	1920 A	Cohocton
Hoyt, Nelson Landon, jr.	1920 A	Winnetka, Ill.
Hoyt, Richard Judson	1920 Ag	Candor
Hoyt, Stephen Charles	1918 Ag	Auburn
Hoyt, William Whitney	1920 A (Chem)	Binghamton
Hsu, Kwung	1918 M	Wusih, China
Hubach, Fred Fisher	1919 A (Chem)	Elizabeth, N. J.
Hubbard, Ralph, B.A.	Grad	Buffalo
Hubbard, Stanley Tyler	1918 M	Mt. Vernon
Hubbard, Waldron Wells	1919 Ag	Flushing
Hubbell, Benjamin S., jr.	1919 Ar	Cleveland, O.
Hubbell, Henry Willard	1918 M	New York City
Huber, Hans	1918 A	Locust, N. J.
Hubre, Harold Vincent	1917 A (Chem)	Los Angeles, Cal.
Huber, Walter	1919 A	New York City
Hubert, Merton Jerome, A.B., A.M.	Grad	Toledo, O.
Huck, Louis Charles	1917 M	Chicago, Ill.
Huckins, Warren Israel	1918 Ag	Sharon, Mass.
Hudders, James Henry	1920 M	Utica
Hudes, Frederick	1918 Ag	Brooklyn
Hudson, Charles Hugh Lounsbury	1919 L	Stamford, Conn.
Hudson, Harold Dana	1918 Ag	Brooklyn
Huelsen, Walter August	1918 Ag	Brooklyn
Huestis, Thomas Bunting	1919 M	Greencastle, Ind.
Hugg, Ivalo Belle	1918 Ag	Cazenovia
Hughes, Willis Edward	1920 M	Utica
Huie, Helen	1920 A	New York City
Hulbert, Thorne Comings	1920 A (Chem)	Ithaca
Hull, Charles Daniel	1919 A	Candor
Hultzen, Lee Sisson	1918 A	Norwich
Humphrey, Harold Jay	1917 Ag	Freeport
Humphrey, Richard Frederick	1920 M	Waterbury, Conn.
Hungerford, Herbert Barker, A.B., M.A.	Grad	Lawrence, Kans.
Hungerford, Stanley Johnston	1920 C	Clayton
Hunkin, Alger Eugene	1920 M	Lakewood, O.
Hunkin, Milward Stafford	1920 C	Cleveland, O.
Hunkin, Samuel Everett	1917 C	Cleveland, O.
Hunn, Chester Jermain, B.S.A.	Grad	Ithaca
Hunt, Clarence Barlow	1920 Ag	Nichols
Hunt, Earle Cole	1919 Ag	Binghamton
Hunt, Ernest Carson, jr.	1917 M	Flushing
Hunt, George E.	1918 V	Binghamton
Hunt, Walter Harold	1920 Ag	Dryden
Hunter, Egerton Kaye	1920 Ar	Detroit, Mich.
Hunter, John Charlton	1920 A	Fulton
Huntington, Lowell Shirley	1919 Ag	Oneonta
Huntington, Maurice Burt	1917 M	Pulaski
Huntley, Wesley Yeomans	1918 Ag	Walworth
Hust, Floyd Philip	1918 V	Jeffersonville
Huszagh, Ralph Donald	1920 Ar	Chicago, Ill.
Hutchinson, Edmund James	1919 Ag	Ithaca

Hutchinson, James Albert	1921 M	Springfield, Mo.
Huth, Gertrude	1917 A	Chicago, Ill.
Huttleston, Helen Marie	1920 A	Pellston, Mich.
Hyatt, James Mead	1918 A	Owego
Hynlop, George Hall, A.B., A.M.	1919 M.D. (N.Y.C.)	New York City
Icasiano, Abelardo Reyes	1917 C	Bulacan, Bulacan, Philippines
Iler, Russell Hills	1920 A	Brooklyn
Imlay, Robert	1919 A	Niagara Falls
Infanger, Adolph Omega	1919 C	Brooklyn
Ingalls, Robert Dorrance	1917 C	Phelps
Ingalsbe, Maurice Parley	1918 L	Oakfield
Ingersoll, Clayton Caskey	1919 M	Rockford, Ill.
Ingersoll, Frank Bostwick	1917 L	Pittsburgh, Pa.
Ingham, Walter Leland	1919 A	Pittsburgh, Pa.
Inglee, Charles Ruthford	1918 Ag	Amityville
Inglis, James	1920 A (Chem)	Paterson, N. J.
Ingraham, Mark Hoyt	1917 A	Brooklyn
Inness, Donald Fogel	1917 Ar	Wilkes-Barre, Pa.
Inscho, Manley Stowell	1918 Ag	Nichols
Inslee, Kenneth Sloat	1920 M	Brooklyn
Irish, Marian Louise	1920 A	Auburn
Irish, Shurly Russell	1918 M	Auburn
Irish, William Mitchell, 3d	1919 A (Chem)	Philadelphia, Pa.
Irvine, Rutledge	1920 Ag	Brooklyn
Irvine, Winifred	1917 A	Ithaca
Ishillo, Edmond Geery	1920 L	Bayonne, N. J.
Ishkhanian, Mardiros Hovhannes	1918 Ag	Hadjin, Adana, Turkey
Israel, Jacob Gerreson	1920 A	Tonawanda
Ivanek, Boleslaw Bertrand	1919 C	Mount Hermon, Mass.
Ives, Roger Leete, jr.	1920 Ag	Stillwater
Ivins, Maurice Harvey	1919 M	Langhorne, Pa.
Jack, Andrew	1919 A	Newark, N. J.
Jackson, Abram John, jr.	1919 V	Ithaca
Jackson, Ethel Violet	1918 A	Crosskill, N. J.
Jackson, Howard Campbell, B.S.	Grad	Trumansburg
Jackson, Nancy	1920 A	Ithaca
Jackson, Stuart Deming, A.B.	Grad	Cincinnati, O.
Jackson, William Brinckerhoff, jr.	1918 M	Silver Spring, Md.
Jackson, William Joseph, A.B.	1919 M.D. (N.Y.C.)	New York City
Jacob, Silvester Arthur	1920 A	New York City
Jacobovitz, Samuel	1920 M	New York City
Jacobs, Moses	1920 Ag	New York City
Jacot, Arthur Paul	1917 A	Monroe, Conn.
Jadowitz, David	1919 A (Chem)	Dover, N. J.
Jaeger, Theodore Frederick	1920 L	Hartford, Conn.
Jaeger, William Christian	1918 C	Brooklyn
Jaeger, William Christopher	1919 M	New York City
Jaffe, Joseph Munroe	1917 A (Chem)	New York City
Jaggard, Ernest Plack	1917 M	Altoona, Pa.
Jagger, Cyrus Wickham	1918 M	Southampton
Jahn, Alfred Paul	1918 Ag	New Rochelle
James, Chloe Louise	1918 Ag	Ithaca
James, William Benjamin	1920 C	Plymouth, Pa.
James, Walter Rodney, B.S.	1917 M	Norfolk, Va.
Jampol, Max	1919 M	New York City
Janes, Warham Whitney	1919 A	Charlotte
Jannotta, Alfred Vernon	1917 A	Chicago, Ill.
Jannotta, Frank Skiff	1920 A	Oak Park, Ill.
Jansen, Anna Frances	1917 Ag	Fonda
Jansen, Raymond Rowland, B.S.	Grad	Fonda
Jefferson, Charles Wilson	1919 Ag	Schenectady
Jeffrey, Walter Williams	1919 Ag	Ithaca
Jeanvan, Ernest Paul	1918 L	Fresno, Cal.
Jeanvan, Helena Juhar	1918 A	Fresno, Cal.
Jenkins, David M.	1917 Ag	New Paltz
Jenkins, DuBois	1918 V	New Paltz
Jenkins, Edith Faulkner	1917 A	Sidney Center
Jenkins, Erwin Wheat	1918 Ag	Sidney Center
Jenkins, Raymond	1917 A	New Paltz
Jenkins, Thomas Angus, jr.	1920 M	Mt. Vernon
Jenks, Harland William	1919 A	Niagara Falls
Jenks, Leon E., B.S., M.S.	Grad	Ithaca
Jenks, Weston Morse	1919 M	Waterbury, Conn.
Jenness, James Russell, B.S.	Grad	Chriesman, Ill.
Jennings, Arthur Gardner	1918 M	Elmira
Jennings, David Stout, B.S.	Grad	Ithaca
Jennings, John Arthur	1918 L	Rochester
Jennings, Marguerite	1919 A	Canastota

Jennings, Robert Edward	1918 M	Menominee, Mich.
Jepson, Mabel Sophie	1920 A	Buffalo
Jewett, Rexford Wilber	1917 A	Fredonia
Johnson, Archibald Leonard, A.B.	1920 M.D. (N.Y.C.)	Tallega, Ky.
Johnson, Berkeley, Ph.B.	1918 C	Worcester, Mass.
Johnson, Bruce	1919 M	Binghamton
Johnson, Carl Victor	1920 Ar	Hartford, Conn.
Johnson, Charles Eneu, 2d	1919 M	Lansdowne, Pa.
Johnson, Clarence	1920 Ag	Canandaigua
Johnson, Davies	1920 L	Camden
Johnson, Deyo Way	1920 A	Ellenville
Johnson, Edgar Blauvelt, B.Ch.	Grad	Tarrytown
Johnson, Elmer Marker	1920 A	Melville, Mont.
Johnson, Elna Edwardine	1919 A	New York City
Johnson, Ernest Edward	1920 A	St. Louis, Mo.
Johnson, Gertrude Amelia, B.S., M.S.	Grad	Chicago, Ill.
Johnson, Howard Eckler, D.V.M.	Grad	Cherry Valley
Johnson, Harold Ward	1921 Ar	Evanston, Ill.
Johnson, James Wood	1917 A	Evansville, Ind.
Johnson, Mary Haldeman	1917 Ag	Oneonta
Johnson, Samuel Chester, A.B.	1918 M.D. (N.Y.C.)	Brooklyn
Johnson, Walter Earle	1919 A	Wilmington, Vt.
Johnson, Walter Lee, jr.	1918 M	St. Louis, Mo.
Johnston, Edwin	1920 A	Cortland
Johnston, Herbert Richard	1917 A (Chem)	Buffalo
Johnston, James Morgan	1920 A (Chem)	Cleveland, Tenn.
Johnston, Orrin Spencer	1919 M	Chicago, Ill.
Johnston, Roy	1920 V	Livingston Manor
Johnston, Walter David	1917 M	Waukesha, Wis.
Johnstone, Hugh Ross	1917 A (Chem)	No. Tonawanda
Jones, Arthur Wells	1917 Ag	Buffalo
Jones, Ashley Sumner	1920 M	Lynn, Mass.
Jones, Earle Atwood	Spec Ag	Waitsfield, Vt.
Jones, Frederick Randolph	1917 Ag	Lexington, Mass.
Jones, Gwendolyn Hope	1918 A	Oradell, N. J.
Jones, Henry Ware, jr.	1918 M	Upper Montclair, N. J.
Jones, Martin Tilford	1919 M	Houston, Texas
Jones, Miriam Catharine	1918 Ag	Worcester
Jones, Naomi Cecelia	1920 A	Worcester
Jones, Roger Cleaveland	1917 M	Collinsville, Conn.
Jones, Ralph Felber	1919 M	Red Wing, Minn.
Jones, Robert Nuttall	1917 Ag	Buffalo
Jones, T. Ralph	1917 M	Eagle Pass, Tex.
Jones, William Milne	1918 C	New York City
Joseph, Louis Weinman	1920 C	Warrensburg
Joyce, Thomas Bernard, A.B.	1920 M.D. (N.Y.C.)	Gardner, Mass.
June, Laurence Brigham	1919 A (Chem)	Addison
Juskowitz, Leo Gerald	1919 Ag	New York City
Kalbfus, Joseph Barnett	1917 M	Washington, D. C.
Kaltenthaler, Henry Jacob, jr.	1919 M	Philadelphia, Pa.
Kammerer, William Charles, jr.	1917 M	St. Louis, Mo.
Kmrass, Louis Mark	1918 A (Chem)	New York City
Kane, Mortimer William	1919 Ag	Yonkers
Kaneko, Shotaro, B.S.	Spec Ag	Daimokko, Formosa, Japan
Kao, Chiensze Yang, B.A.	Grad	Shanghai, China
Kaplan, Martha	1920 A	Brooklyn
Kaplan, Robert	1920 A (Chem)	Brooklyn
Kaplowitz, Morris	1918 A	Brooklyn
Kardiner, Abraham	1917 M.D. (N.Y.C.)	New York City
Karg, William Earnest	1920 M	Mt. Holly, N. J.
Karp, Theodore Burton	1919 A	Brooklyn
Karr, Harold Joseph	1918 Ag	Bloomfield, N. J.
Karrakis, Samuel	1918 A	Newark, N. J.
Karsten, Charles	1918 A	Highland Falls
Karsten, Henry	1921 M	Highland Falls
Kasakove, Benjamin	1918 A (Chem)	New York City
Kast, Frederic Ernest	1919 Ag	Albion
Katz, Aaron George	1917 Ag	Brooklyn
Katz, Frederick Leopold	1918 A	Riverside, Conn.
Katz, Morris Howard	1917 A (Chem)	Brooklyn
Katzenstein, Simon	1920 A	Mt. Vernon
Katzenstein, Walter Lyon	1920 L	Hartford, Conn.
Kaufman, Aaron	1919 A	Elizabeth, N. J.
Kaufman, Jacob	Spec Ag	New York City
Kaufman, Samuel	1919 Ag	New York City
Kaufman, Samuel	1919 C	New York City
Kaufmann, Allan Lewis	1917 A	Toledo, O.
Kaufmann, Louis George	1919 A	New York City
Kaufmann, Victor Rossman	1918 L	New York City

Kaufuss, Harold Peter	1918 A	Glens Falls
Kavana, Luke James	1920 Ar	LaGrange, Ill.
Kear, Edward Burrow	1920 L	Yorktown Heights
Kearns, Wilfrid McDonnell	1920 M	Rochester
Keefe, Robert Edwin	1917 M	Kingston
Keet, Julia Mildred	1918 Ag	Schuyler Falls
Keiler, Edmund Harder	1919 M	Marion, O.
Keller, Bert Dewey	1920 M	Rochester
Keller, Harold Parker	1920 Ag	Buffalo
Kelley, Francis Michael	1918 V	Phelps
Kelley, Hayward Kendall	1920 M	Cleveland, O.
Kelley, Miriam May	1917 A	Wyoming
Kellogg, Marjorie Florence	1920 A	Norwalk, O.
Kellogg, Winthrop Niles	1920 M	Indianapolis, Ind.
Kelly, Alfred Bartholomew Francis	1918 Ag	Ithaca
Kelly, Grace Elizabeth	1917 A	Fonda
Kelly, Thomas Lloyd	1920 A	Chicago, Ill.
Kelsey, Alpha Mary	1919 A	Mecklenburg
Kelsey, Genevieve Marie	1917 A	Candor
Kelsey, Martha Townsend	1919 A	Mecklenburg
Kendall, William Morgan	1919 A	Buffalo
Kennedy, Clarence Edward	1920 M	E. Weymouth, Mass.
Kennedy, Clarence Hamilton, A.B., A.M.	Grad	Ithaca
Kennedy, Durward Bellmont	1920 M	Flushing
Kennedy, Emile Tisdale	Spec M	Anaconda, Mont.
Kennedy, Frank Atkinson	1919 A	Fort Sam Houston, Tex.
Kennedy, Harold Clark	1919 L	Hudson
Kennedy, Harold Schwinn	1919 A (Chem)	Franklin, Pa.
Kennedy, James Arthur	1917 A	Dannemora
Kennedy, Mary Anne	1917 A	Warrensburg, Mo.
Kennedy, Thomas Walker	1919 M	Pittsburgh, Pa.
Kent, Olney Brown, B.S., M.S. in Agr.	Grad	Ithaca
Kent, Samuel Goddard	1919 Ag	Cortland
Kenyon, Donald	1917 Ag	Adams
Keogh, Geo. P.	1918 M	New York City
Keogh, Harold James	1919 Ag	Rochester
Kerr, Henry Hampton	1920 M	Evanston, Ill.
Kerr, John Daniel	1917 A (Chem)	Buffalo
Kerr, William Thompson	1919 L	N. Tonawanda
Kessler, Henry Howard, A.B.	1919 M.D. (N.Y.C.)	Newark, N. J.
Kevelson, Max	1920 M	New York City
Kibby, Loren Sullivan	1918 Ag	Turin
Kilborne, Charles Lucius	1920 Ag	Moravia
Kilbourne, Edwin Ingersoll	1917 Ag	Ithaca
Kiley, Nicholas Henry	1918 A	Cazenovia
Kimball, Donald Butler	1919 A (Chem)	Washington, D. C.
Kimberly, Arthur Myndert, A.B.	1918 M.D. (N.Y.C.)	Watervliet
Kimes, Robert Hugh	1919 M	Dayton O.
Kimmel, Jesselyn Adele	1919 A	Bayside
Kinchley, Harry Augustus	1920 L	New York City
Kinde, Doris Alice	1920 Ag	Canandaigua
King, Charles Harold	1920 A	Stockbridge
King, Carrie Joanna	1917 Ag	Ithaca
King, Donald Birmingham	1920 A (Chem)	Williamsport, Pa.
King, George Joseph	1918 Ag	Saratoga Springs
King, George Stewart	1917 Ag	East Orange, N. J.
King, Ivan Roberts	1919 A	Galesburg, Ill.
King, James Davis	1920 L	Cape Charles, Va.
King, James Willis	Spec Ag	Andes
King, Mark, jr.	1921 M	New York City
King, Theodore Franklin, jr.	1920 M	Chattanooga, Tenn.
King, Warren Griffin	1917 M	Cleveland, O.
Kingery, Hugh McMillan, B.A., A.M.	Grad	Ithaca
Kingery, Lisle Byron, A.B.	1918 M.D. (N.Y.C.)	Tilden, Neb.
Kingland, Frank Carlton	1919 M	Brooklyn
Kingland, Laurence Douglas, 2d	1917 C	St. Louis, Mo.
Kinney, Harold Draper	1918 A (Chem)	Gouverneur
Kinney, Will Carleton	1918 Ag	Bellevue, O.
Kinsel, Irene Dorothy	1920 A	Saratoga Springs
Kinsman, Daniel Francis	1920 Ag	Greene
Kinsman, Elmer Franklin	1920 Ar	Binghamton
Kinzey, Bertram York	1918 Ag	Mount Vernon
Kinzinger, Margaret Alice	1919 A	Brooklyn
Kirby, Sumner Moore	1919 A	Wilkes-Barre, Pa.
Kircher, Stacy George	1918 Ag	Mt. Vernon
Kirshstein, Irene Bates, A.B., A.M.	Grad	Hastings, Nebraska
Kirkendall, Helen Olivia	1917 Ag	West Danby
Kirkland, Joseph Brachin	1918 Ag	Ithaca
Kirkland, Luther Clinton	1919 Ag	Ithaca
Kitchin, Gladys	1920 Ag	Skaneateles

Kittredge, Linus Emerson	1920 M	Lockport
Klamt, Robert Herman, B.S. in Agr.	Grad	Chicago, Ill.
Klauber, Henry	1917 L	Rosebank
Klee, Victor La Rue, A.B.	1918 L	Olean
Klein, Hyman	1920 A	Brooklyn
Klein, Henry Nathaniel	1919 Ag	Brooklyn
Kline, Emil	1920 A	Hudson
Klingelhofer, Edward Kohne	1917 C	Pittsburgh, Pa.
Klingelhofer, Louis Oliver	1919 M	Pittsburgh, Pa.
Knapp, Edward Caulfield	1918 Ag	Marcellus
Knapp, James Carter	1920 L	Forestville
Knapp, Margaret Collins	1919 A	Marcellus
Knapp, Paul	1917 A (Chem)	Ardmore, Pa.
Knapp, Robert Davidson	1919 Ag	Preble
Knapp, Ronald Glenn	1918 Ag	Port Byron
Knapp, Thomas Phillips	1917 A	Waverly
Knapp, Willis Edmonston	1917 Ag	Buffalo
Knauss, Edwin	1920 M	Poughkeepsie
Knauss, James Owen, B.A., A.M.	Grad	State College, Pa.
Knight, Dorothy Reese, A.B.	Grad	Ithaca
Knight, Frank Perkins, jr.	1920 Ag	Manchester, Mass.
Knight, Geoffrey	1920 Ag	New York City
Knight, Harry Hall	1920 A (Chem)	St. Louis, Mo.
Knight, John Alden, jr.	1917 A	Williamsport, Pa.
Knight, John Shiveley	1918 A	Akron, O.
Knighton, Willis Sackett	1918 A	New York City
Knipp, George Lewis	1917 A	Auburn
Kniiskern, Margaret	1918 Ag	Deposit
Knowles, Marion McNeil	1920 A	Lockport
Knowlton, Frank Lester	1918 Ag	Laurel, Md.
Knowlton, George Edgar, jr.	1919 C	Ridgewood, N. J.
Knowlton, Harry E., B.S.	Grad	Ithaca
Knox, Carlos Child	1918 M	Painesville, O.
Knox, Herbert Benjamin, jr.	1918 C	Germantown, Pa.
Knox, Lelia Charlton, B.A.	1918 M.D. (N.Y.C.)	Conklin
Knox, Robert Wallis, jr.	1917 M	Houston, Texas
Knudson, Thomas Graham	1919 Ag	Brooklyn
Kobre, Regina	1917 A	Brooklyn
Kobuskie, Agnes Marie	1920 A	Gloversville
Koch, Dorothea	1920 A	New York City
Koch, Henry William	1917 Ag	Hoboken, N. J.
Kochmann, Everett Lester	1920 A (Chem)	Mt. Vernon
Koehler, Alfred Charles	1919 M	New York City
Koehler, John Henry August	1921 C	Rockville Centre
Kohm, Joseph Anthony	1917 A (Chem)	Ithaca
Kolar, Michael John	1917 V	Ithaca
Kolb, Gladys Dutton	1919 A	New York City
Koller, Hermann Michael, B.S., M.D.	Spec M.D. (N.Y.C.)	Minneapolis, Minn.
Koller, Joseph Peter, B.Chem.	Grad	Ithaca
Koller, Lewis Richard	1917 A	New York City
Korb, LeRoy Hauck	1919 A (Chem)	Newark, N. J.
Kortright, Warren Post, A.B.	1917 M.D. (N.Y.C.)	New York City
Koslin, Samuel Harry	1917 Ag	New York City
Koslow, Abraham	1920 Ag	Port Richmond
Kostal, Emile	1917 Ag	Ithaca
Krais, Gustave Edward	1920 Ag	Mt. Vernon
Kramer, Paul Harris	1918 A (Chem)	Gaylord, Mich.
Kranz, Harry Thompson	1920 L	Hot Springs, Ark.
Kratoville, John Charles	1917 A (Chem)	Riverhead
Kraus, Frederick	1918 Ag	New York City
Kraus, Richard Parmely	1920 A	Cleveland, O.
Krauskopf, Daniel Melvin	1919 Ag	New York City
Krauss, John Samuel	1917 C	New York City
Krebs, Walter Winston	1918 L	Johnstown, Pa.
Krech, Karl Gilbert	1920 A (Chem)	Midland Park, N. J.
Kreuzer, William Christopher	1917 Ag	Syracuse
Krey, Charles Edward	1919 Ag	Washington, D. C.
Krey, Genevieve Eleanor	1920 A	Brooklyn
Kriba, Charles Lovell, jr.	1919 M	Dallas, Tex.
Kriek, James Herbert	1920 L	New York City
Kroener, Rose Courtney	1919 L	Ithaca
Krogman, John Henry William	1920 L	Brooklyn
Kroin, Harry Essler	1920 A	Brooklyn
Kruger, Alexander William	1920 Ag	Brooklyn
Krugh, John Adam	1919 A	Kansas City, Mo.
Krum, Olin Clifford	1917 Ag	Ithaca
Ku, Chen	1918 M	Wusih, China
Kubushiro, Shajiro, B.S.	Grad M.D. (N.Y.C.)	Kumamoto, Japan
Kuchler, Henry Christian Carl	1918 A	New Rochelle
Kuchler, William Edward	1918 Ag	New Rochelle

Kuhn, Rupert Carroll	1918 Ag	New York City
Kuhner, Anna Elizabeth	1917 A, 1920 M.D.	New York City
Kuhns, Herbert Rhoads	1918 M	Dayton, O.
Kuhrt, William Joseph	1920 L	Forestville
Kuo, Cheng-Chih	1918 M	Shanghai, China
Kurcias, Max	1918 C	New York City
Kurtz, Chester Allen Rock	1919 M	Center Hall, Pa.
Kurtz, John Hamilton	1919 M	Portland, Ore.
Kurtz, John Winfield	1919 M	Joanna, Pa.
Kurz, Ernst William	1917 C	Tarrytown
Kuttner, Ann Gayler, B.S.	Spec M.D. (N.Y.C.)	New York City
Kwaan, Hon-Kwong	1919 M	Hankow, China
La Bier, Clarence Russell	1920 Ag	Terre Haute, Ind.
Lacey, Harold Talbot	1920 A (Chem)	Binghamton
Lackmann, Luella Irene	1919 A	Troy
Lacy, Leslie Verne	1917 Ar	Skaneateles
Ladd, Era Amos	1919 A	Batavia
Ladd, James Emmett	1920 M	Clarksville, Tenn.
Ladd, William Stanton, B.S. in Agr.	Grad	Taylorville, Ill.
Ladu, Roscoe Nelson	1919 Ag	Watervliet
LaFever, Mortier Wickham	1919 Ag	Corning
LaGrange, DeWitt	1918 V	Schenectady
Laird, John Evans	1919 C	Freehold, N. J.
Lake, Irma	1919 Ag	Oswego
Lake, John Frederick	1919 Ag	Ithaca
Lake, Michael	1920 A	New York City
Lalley, Harold Vincent	1919 A	Bridgeport, Conn.
Lallou, George Edward Spotz	1920 C	Philadelphia, Pa.
Lally, Raymond James	1918 A	Pittsburgh, Pa.
Lalone, Mildred Eva	Spec Ag	Canton
Lamb, Horace Rand	1918 L	Norwalk, O.
LaMont, Mildred Flora	1920 Ag	Hemlock
Lamoureux, Louis Andre	1917 Ag	New York City
Lamoureux, Mabel	1919 Ag	Ithaca
Lamoureux, Vincent Branner	1920 C	Ithaca
Lamphier, Edward George	1920 Ar	Torrington, Conn.
Lamphier, Louise Lyman	1918 A	Torrington, Conn.
Landmann, Margaretta Veldran	Spec Ag	Oradell, N. J.
Landmesser, William Robert	1917 M	Maplewood, N. J.
Landon, Benson, jr.	1919 L	Chicago, Ill.
Landron, Enrique, jr.	1920 Ag	Arecibo, Porto Rico
Landy, Abraham, B.S.	1920 M.D. (N.Y.C.)	New York City
Lane, John Frederick	1919 Ag	Port Richmond
Lang, John Robert Andrew, jr	1920 M.D. (N.Y.C.)	Mt. Vernon
Langdon, Helen Cornelia	1919 Ag	Utica
Langley, Elmer E., M.D.	Spec M.D. (N.Y.C.)	New York City
Lapin, Joseph Harris	1920 A (Chem)	New York City
Lardner, Gilmore Anthony	1920 M	Davenport, Ia.
Large, Edward Wilson	1920 A (Chem)	Yardley, Pa.
Larios, Pedro Augusto, A.B.	1920 Ag	Guatemala, Central America
Larkin, John Vincent	1920 Ar	Ithaca
Larkin, Leo Joseph	1920 A	Ellenville
Larkin, Leo Paul	1917 A, 1920 M.D.	Ithaca
Larkin, Mary Valentine	1917 A	Atlantic City, N. J.
Larrabee, Edwin Stevens	1918 Ag	Binghamton
Larson, John Munson	1919 Ag	Caldwell, N. J.
Larson, Oscar Leon	1919 A	Salt Lake City, Utah
Lasher, Norman Valentine	1919 Chem	Rochester
Lasher, Richard Earl	1919 M	New Hartford
de Laski, Edgar Gustave	1917 A	Weehawken, N. J.
Lason, Helen Jane	1920 A	Homer
Lassiter, Lelia Hamilton	1918 A	Petersburg, Va.
Lathrop, Francis Cuming, 2d	1919 A	Wayne, Pa.
Lathrop, Louis Heyward	1918 M	Pike
Latta, John Stephens, B.A.	Grad	College Corner, O.
Lattimore, Melva Myrtle	1917 Ag	Westmoreland
Lattin, Helen May	1920 Ag	Corning
Latz, Lawrence Morris	1920 M	Tompkinsville
Lau, Kwai Cheuk	1918 A	Hongkong, China
Lau, Lo Naam	1919 A	Hongkong, China
Lauer, Walter Ernst	1919 Ag	New Rochelle
Laughlin, John	1920 V	Akron
Lauritzen, John Irvin, B.S.	Grad	Ithaca
Lauter, Kurt Corell	1920 A	Brooklyn
Lautz, Carl Francis	1917 M	Buffalo
Lautz, Theodore Van Vleck	1917 M	Buffalo
Law, Stanley Overholt	1917 M	Pittsburgh, Pa.
La Ware, Edward William	1918 V	New York City

LaWare, John Henry	1919 Ag	New York City
Lawrence, Fred William	1918 Ag	Ogdensburg
Lawrence, Myrtle Irene	1920 A (Chem)	Buffalo
Lawrence, Walter Henry	1919 M	Corfu
Lawson, Nora Pauline	1917 Ag	Ithaca
Lawton, Aubrey Walter	1918 A	Hudson Falls
Lay, Edwin Thorne	1919 Ag	Owego
Lay, Joseph Hill	1918 Ag	Oil City, Pa.
Lazear, John McKelvy	1919 Ag	Pittsburgh, Pa.
Lazo, Carlos	1918 L	New York City
Leach, Caroline Elizabeth	1919 Ag	Marcellus
LaBel, Louis Jean Baptiste, B.A.	1920 M.D. (N.Y.C.)	Nutley, N. J.
LeBlond, Harold Robson	1919 M	Cincinnati, O.
LeBoeuf, Randall James, jr.	1919 L	Albany
Lebowaky, Harry	1917 Ag	New York City
Lechler, Alfred Cobaugh	1920 Ag	Philadelphia, Pa.
LeCluse, Eugene F.	1921 M	Great Neck
Lee, Kung, B.S.	Grad	Shanghai, China
Lee, Ross Chester	Spec Ag	Ellisburg
LeFevre, Peter Elting	1918 Ag	New Paltz
Leffingwell, Thomas Arthur	1918 A	Aurora
Leffingwell, William Murray	1919 C	Watkins
Lefkowitz, Bernard Harold	1920 A (Chem)	New York City
Lefkowitz, Samuel	1918 A (Chem)	Brooklyn
Lehman, Leonard Calvin, B.Sc. in Agr.	Grad	Versailles, O.
Lehrbach, Warren Willma	1917 C	Buffalo
Leibman, Edwin Albert	1919 M	Brooklyn
Leighton, Frank Thomson, M.S.	Grad	Tunkhannock, Pa.
Leighton, Kilburn	1917 M	Syracuse
Leinroth, Eugene Alfred	1919 M	Philadelphia, Pa.
Leiphart, Forest McKinley	1919 A	Conneautville, Pa.
Leister, Claude Willard	1917 Ag	West Point, Pa.
Leith, Donald Ethelbert	1920 Ag	New York City
Leland, Gertrude Josephine	Spec Ag	Springville
Lenahan, Edwin Joseph	1921 C	Buffalo
Lent, George Hunt	1919 L	Tuckahoe
Lentz, Albert Leroy	1919 M	Jackson, Mich.
Leonard, Alfred Henry	1921 M	Binghamton
Leonard, Anna Mary	1919 Ag	Ithaca
Leonard, Charles Curtis	1920 A	Binghamton
Leonard, George Russell	1917 M	Roseland, N. J.
Leonard, Henry Elcox	1917 Ag	East Orange, N. J.
Leonard, Harsey King	1918 V	Binghamton
Leonard, Samuel John	1917 C	Washington, D. C.
Leonhardt, Anna Margaret	1920 A	Redwood
Leppart, John Culver	1919 A (Chem)	Utica
Lerner, Herman Bernard	1917 L	Newark, N. J.
Lerner, Saul Charles	1919 Ag	New York City
Lev, Joseph	1920 (A Chem)	Brooklyn
Levene, Hyman Charles	1921 M	New York City
Levien, Nathan	1920 A	New York City
Levin, Bessie	1920 A	Brooklyn
Levin, Isaac	1920 V	Mountaineale
Levine, Joseph	1918 A	Brooklyn
Levine, Joseph Milton	1919 A	Brooklyn
Levine, Sam Zachary, B.A.	1920 M.D. (N.Y.C.)	New York City
Levinson, William Bernard	1920 Ag	New York City
Levy, Charles Leon	1918 Ar	Wilkes-Barre, Pa.
Levy, Frank Mortche	1917 A (Chem)	Buffalo
Levy, Frank Rosenzweig	1918 A	Dunkirk
Levy, Louis, B.S.	1920 M.D. (N.Y.C.)	New York City
Levy, Theresa, B.S.	Grad M.D. (N.Y.C.)	New York City
Lewis, Corbin Devillo	1919 Ar	Brooklyn
Lewis, Charles Lyman	1920 A	Kansas City, Mo.
Lewis, Emily	1918 Ag	Utica
Lewis, Edward Howard	1921 M	New York City
Lewis, George Hail	1920 Ar	Cynwyd, Pa.
Lewis, James Richard	1921 C	Buffalo
Lewis, Marion Lavinia	1918 Ag	W. Pittston, Pa.
Lewis, William Lester	1919 M	Binghamton
LeWorthy, George Edwin	1917 Ag	Waterville
Li, Chuan-heng	1918 C	Canton, China
Liao, Wei Tzu	1917 C	Foochow, China
Liddle, Albert Walker	1918 A	Argyle
Liddle, Ralph Alexander	1918 A	Argyle
Lidell, Don Arthur	1918 Ag	Schuyler Lake
Lieke, Richard Frederick	1919 Ag	New York City
Lilley, John Jethro, A.B.	Grad	Gatesville, N. C.
Lindau, Sigmund Beach	1917 C	Greensboro, N. C.
Lindberg, Harry Emil	1919 C	Buffalo

Linder, Mary Anna	1920 A	Syracuse
Lindsay, Daniel Curtis	1919 Ar	Beaver, Utah
Lindsley, George Lawrence	1919 A	Philadelphia, Pa.
Lindstrom, Ernest Walter, A.B.	Grad	Ithaca
Ling, Ernest Fitchard, B.S.	Grad	Meadville, Pa.
Link, Oscar John	1918 Ag	Buffalo
Linnell, Herbert Harrington	1920 C	Springfield, Mass.
Lins, Everett Winfield	1920 Ag	New Brighton
Liotto, Sylvester	1919 A	Brooklyn
Lippincott, William Leroy	1918 A (Chem)	Hornell
Lippitt, Maxwell Walthour	1920 A (Chem)	Washington, D. C.
List, Daniel Clarence	1918 M	Washington, D. C.
Little, Charles Warren	1920 A	Johnstown
Little, Mable Collette	Spec A	Norwalk, O.
Littlewood, William	1920 M	New York City
Liu, Abraham Sang	1918 M	Honolulu, Hawaii
Liu, Cheng Lin	1917 Ag	Shanghai, China
Livant, Charles David	1917 C	New York City
Livant, Julius	1919 Ag	New York City
Livingston, Graham	1920 A (Chem)	New York City
Llewellyn, Carl Powell	1921 M	Chattanooga, Tenn.
Lo, Ying, C.E.	Grad	Nanchang, China
Lobdell, Richard Nugent, B.S., M.S.	Grad	Ithaca
Lochner, Ralph Louis	1920 C	Newark, N. J.
Locke, Ben Northcutt	1918 M	Mexico, Mo.
Lockwood, Allen Farnham	1919 Ag	Hannibal
Lockwood, Fred Foertner	1919 Ag	Hurley
Lodge, Llewellyn Van Alst	1918 Ag	Montgomery
Loeb, Moritz Julius	1918 M	Chicago, Ill.
Loede, Frederick William, jr.	1919 Ag	New York City
Loeffler, Mathilde Pauline	1918 A	Philadelphia, Pa.
Loewe, Leon, A.B.	1918 M.D.	Brooklyn
Lofton, Merrill Collier	1920 M	Chattanooga, Tenn.
Lonergan, Michael Paul, B.S.	1918 M.D. (N.Y.C.)	New York City
Long, Alvin Edward	1917 Ag	Olean
Long, Adam Ferdinand	1920 A (Chem)	Brooklyn
Long, Edith Eggert	Spec Ag	Buffalo
Long, Edward Harvey	1920 A	Huntington, W. Va.
Long, George Smith, jr	1919 M	Tacoma, Wash.
Long, Norman Herbert	1919 L	Baltimore, Md.
Long, Paul Walker	1918 A	Huntington, W. Va.
Long, Tudor Seymour, A.B.	Grad	Ithaca
Loomis, Arthur Laurence	1918 A	Omaha, Neb.
Loope, Frank Lucian	1920 V	McGraw
Loope, John Carlson	1918 Ag	McGraw
Lopes, Jose Carlos	1919 C	Itaguy, R. G. do Sul, Brazil
Lopez, Francisco Federico, A.B.	1918 M	Salta, Arg. Rep.
Lopez, John Hinton	1917 M	Atlanta, Ga.
Lord, George Willis	1920 C	Evanston, Ill.
Lord, Russell Robbins	1919 Ag	Cockeysville, Md.
Lotter, Link Michael	1920 Ag	Springville
Loudenslager, Charles Bernard	1917 Ag	Quakertown, Pa.
Louder, Earl Albert, B.S.	Grad	Huron, S. D.
Loughlin, Frank Joseph	1918 M	Westbury
Loughlin, John Donald	1917 Ag	Brooklyn
Lounsberry, Dean Elwood	1919 Ag	Potter
Lounsbery, Louis Martin	1918 V	Randall
Love, Jennings Kirk	1919 L	Johnstown, Pa.
Loveland, Benjamin Bristol	1918 V	Franklin
Lovenberg, Walter Everdell	1919 A (Chem)	Summit, N. J.
Loveridge, Elmer Fred	1919 Ag	Churchville
Loveridge, George Loomis	1918 A	Churchville
Low, Margaret Juanita	1918 Ag	Brooklyn
Lowe, Burton Miller	1919 M	Ryegate, Vt.
Lowe, Charles Boyd	1919 A	New York City
Lowe, Ernest Franklin	1920 M	Plainfield, N. J.
Lowman, Henry Mather	1920 M	Cleveland, O.
Lowry, Fern, B.S.	1918 A	Stillwater, Okla.
Lozovitsky, Myer Joseph, A.B.	1919 M.D. (N.Y.C.)	New York City
Lu, Feng-Shu	1918 C	Wuch, China
Lu, Yen Chih	1919 Ar	Shanghai, China
Lucas, Albert	1920 C	New York City
Lucas, Anna Vivian	1919 A	Hammononton, N. J.
Lucas, Sophie Louise	1920 A	Brooklyn
Lacchetti, Raul	1919 C	Ponce, P. R.
Lace, Amy Leone	1917 A	Riverhead
Lace, Carrie	1919 Ag	Ithaca
Lace, Laurence Edward	1919 M	Stratford, Conn.
Lace, Robert Francis	1917 M	Woodhaven
Lace, Robert Waldo	1920 L	Stratford, Conn.

Luckings, Margaret Whitney	1918 A	New York City
Luckstone, Harold Charles	1920 A	New York City
Luckstone, Maurice Eugene	1920 M	New York City
Ludford, John Edward	1918 C	Caracas, Venezuela
Ludington, Franklin Gerald	1918 Ag	Mexico
Ludington, Howard Jerome	1917 Ag	Holley
Lueder, Josephine Augusta	1918 A	Ithaca
Lukens, John Alfred	1920 A	Toledo, O.
Lumsden, David Victor	1920 Ag	Ithaca
Lumsden, Mary Florence	1918 Ag	Ithaca
Lund, Gabriel Emanuel	1917 C	Kristiania, Norway
Luning, Henry Herman	1920 Ag	Brooklyn
Lurio, Meyer	1920 A	Brooklyn
Luscher, Mary Elizabeth	1918 A	LeRoy
Lustberg, Benajmin Herbert	1918 A	New York City
Lutz, Herman Leonard	1917 A	New York City
Lybolt, Lillian Antoinette	1918 Ag	Port Jervis
Lynch, Charles Henry	1917 Ag	New Hampton
Lynch, James Henry, jr.	1919 C	Buffalo
Ma, Yu Chi	1919 C	Amoy, China
Maar, Harry Nicholas	1918 Ar	Buffalo
Mabee, Jennie Elizabeth	1919 A	Ithaca
Mabey, Mac Henry	1917 V	Cuba
McAllister, Francis Joseph	1920 Ag	Ithaca
McAllister, John Wardale	1917 C	Roland Park, Md.
McAlpine, Malcolm Wright	1919 M	South Bend, Ind.
McArthur, Joseph Wilbur, B.S., C.E.	Grad	Eugene, Ore.
McAuliff, John Leon	1918 V	Cortland
MacBean, John Peter, jr.	1920 C	Philadelphia, Pa.
MacBean, Norman Dean	1920 Ag	Philadelphia, Pa.
McBerty, Ford Hapgood	1920 M	Southbury, Conn.
McBride, Earl James	1918 V	Warrensburgh
McBride, Frank	1919 Ag	Moscow
MacCabe, Halstead Miller	1920 Ag	Brooklyn
McCann, Lloyd Laurence	1920 A	Paterson, N. J.
McCann, William Irvine, B.Sc in Hort.	Grad	Frazeysburg, O.
McCarthy, Edward Dennis	1917 A	Cattaraugus
McCarthy, Frank Charles	1918 L	Syracuse
McCarthy, George Harold	1920 M	New York City
McCarthy, John Robert	1917 C	New York City
McCarthy, Rollin Herbert	1920 A	Cortland
McCartney, Marcia May	1920 A	Pleasant Plains, Ill.
McCauley, William Taylor	1920 M	St. Joseph, Mo.
McChesney, John David	1917 M	Brooklyn
McClain, John Phillip	1920 Ag	Bellaire, O.
McClain, Joseph Edward	1919 Ag	Bellaire, O.
McClatchy, John Benjamin	1920 C	Merion, Pa.
McClellan, John Murray	1918 M	Richmond, Va.
McClellan, Mary Carswell, M.D.	Spec M.D. (N.Y.C.)	New York City
McCluer, John Walter Hill, jr.	1920 C	Franklinville
McClung, John Morton, B.A.	Grad	Rockbridge Baths, Va.
McClung, Reid Lage, A.B.	Grad	Barboursville, W. Va.
McClure, Donald Fisher	1918 M	New York City
McClure, John Hunter	1919 C	Richmond Hill
McClure, Samuel Kenneth	1919 A	Rossville, Ga.
McConnel, Murray	1918 C	Ithaca
McCormick, Alexander Little	1920 M	Asheville, N. C.
McCormick, Donald	1920 Ar	Wilkes-Barre, Pa.
McCormick, William Stanley	1917 M	Ithaca
McCoy, Clarence Arthur	1919 A (Chem)	Edwardsville, Kans.
McCoy, Daniel Chauncey	1917 A (Chem)	Yonkers
McCullough, Frank Wyckoff	1921 C	Belle Mead, N. J.
McCullough, Joseph Frank	1917 Ag	Flushing
McCune, James Edwin	1918 M	Brilliant, O.
McCune, Stanley Brittan	1918 V	Livingston Manor
McCurtain, Einsel Leroy	1917 M	Salt Lake City, Utah
MacDaniels, Laurence Howland, A.B.	Grad	Ithaca
McDermott, Thomas Charles	1919 C	Stoneham, Mass.
McDivitt, Dewey Karchner	1920 L	Bolivar
McDonald, Angus	1920 M	Louisville, Ky.
MacDonald, Albert Marvin	1919 Ag	Lockport
MacDonald, Araminta	1917 Ag	Delhi
MacDonald, Delos Lyon	1920 M	Dubuque, Ia.
MacDonald, John Francis	1919 Ag	Bayshore
MacDonald, John Manderson	1920 M	Dubuque, Ia.
MacDonald, Neil Francis	1917 A (Chem)	Flushing
McDonell, Frank Williams	1919 M	New York City
McDonell, Howard Archibald	1918 M	New York City
MacDougall, James Campbell	1919 M	Phoenixville, Pa.

McDuffie, Roy Oliver	1918 A	Cincinnati, O.
Macedo, Jose Buarque	1917 C	Rio Janeiro, Brazil
McElroy, Edward Burnham	1919 A (Chem)	Erie, Pa.
McFadden, Faber Joseph	1919 L	Dubuque, Ia.
MacFarland, Donald Stikley	1917 A	Harrisburgh, Pa.
MacFarland, Robert Belden	1920 M	Syracuse
McGill, Allen Lenoir	1918 Ar	Nashville, Tenn.
McGinnies, Elliott Morse	1917 A	Ripley
McGowan, Henri Charbonnier, B.S., E.E.	1917 C	Augusta, Ga.
McGown, Floyd, jr.	1920 L	San Antonio, Texas
McGranaghan, Edmund Burke	1918 Ag	Hancock
McGrath, Francis Ignatius	1920 C	Stratford, Conn.
McGraw, Augustus Sproat	1919 Ag	Valley Falls
McGraw, Robert Bush	1918 A	Ithaca
McGraw, Ross Bell	1920 C	Astoria
MacGregor, Ross Edward	1918 C	Malone
McGuire, Whitney Scott	1921 M	Richmond, Ind.
Machan, John Henry	1917 L	Ithaca
Mack, Harry Elias	1917 A, 1920 M.D.	Brooklyn
Mack, Lucy Marion Loveland	1919 A	Albion
McKay, Marguerite	1918 A	Geneva
McKee, Edward Price	1920 A	Scranton, Pa.
MacKellar, Gordon	1920 C	Hazleton, Pa.
MacKellar, John Walter	1918 A	Blauvelt
Macken, Harold Irving	1918 C	New Brighton
McKenna, William Bernard	1920 Ag	Far Rockaway
Mackenzie, Donald Alexander	1917 C	Highland Falls
MacKenzie, Edwin Gordon	1920 A	Millbrook
MacKenzie, Hugh, A.B.	Grad	Millbrook
Mackenzie, Robert Emerson	1917 A	Canton, O.
Mackeown, Samuel Stuart	1917 A	New York City
Mackey, Charles David	1920 A	Montrose, Pa.
Mackey, Joseph	1921 M	Tonawanda
Mackie, Cyril, B.V.Sc., V.S.	1917 V	Auckland, New Zealand
McKinley, Marjorie Crouse	1920 A	White Plains
McKinney, Asa Emanuel, A.B., A.M.	Grad	Ithaca
McKinney, Robert Asa	1918 V	Cortland
McKinstry, Ross Waldron	1918 C	Chicago, Ill.
MacLay, Donald Edwin	1918 Ag	Buffalo
MacLay, Geoffrey Edward	1918 A	Buffalo
MacLean, Crandall, Donald	1919 C	Binghamton
McLoughlin, Vincent	1920 C	New York City
MacMillan, Kenneth Duncan	1917 A	Pittston, Pa.
McMillin, Edwin Russell	1917 C	Wilkesburgh, Pa.
McMullen, Eleanor Clara	1920 A	Buffalo
McMurry, Katherine Lindley	1918 A	Yonkers
McNair, George Henderson Stanser	1918 C	West New Brighton
McNall, Preston Essex, B.S. in E.E., B.S. in Agr., M.S. in Agr.	Grad	Manhattan, Kans.
McNamara, George Augustine	1918 A	Stapleton
McNamara, John Gerard, A.B.	1920 M.D. (N.Y.C.)	Brooklyn
McNaughton, Robert Henry, B.Arch.	Grad	Akron, O.
McNeil, Horace John	1919 M	Flatbush
McNicol, Jessie Bone	1919 A	New York City
McNitt, Robert Louis	1920 Ag	Pulaski
McNulty, Dwight Leeds	1919 M	Rutherford, N. J.
McNulty, Sarah Alice	1920 A	Buffalo
Macpherson, James Williams	1919 M	Brooklyn
McPherson, Mannon Greer	1917 Ag	Elmira
McPherson, Roger Davis	1921 Ar	Palmira
McRostie, Gordon Peter, B.S.A.	Grad	Ithaca
McSparren, Dorothy	1918 A	Furness, Pa.
McSparren, Ruth	1920 A	Furness, Pa.
McStocker, Francis Blakeley	1919 M	Honolulu, Hawaii
McVean, Albert Robert Francis	1920 M	LeRoy
McVetty, Percy George, M.E.	Grad	Ithaca
McVicar, Herbert Kenneth	1918 Ag	Coneus
MacWhorter, Mabelle Vassar	1917 Ag	Ithaca
Macy, Harold	1917 Ag	Hudson
Maddy, John Churchill	1918 Ag	Ithaca
Magnire, William Howard, A.B.	1917 L	Portland, Ore.
Mahl, William	1920 Ag	Mount Vernon
Maidment, Carol	1917 Ag	Sea Cliff
Mair, Dorothy Carol	1917 A	Bloomfield, N. J.
Mair, Edward Leonard	1920 C	Washington, D. C.
Mair, Gerald Louis Frederick	1920 Ag	Rochester
Mair, Raymond William Richard	1919 Ag	Rochester
Mair, William	1917 Ag	Gloversville
Mais, Amos La Verne	1920 M	Myers
Malcolm, Talbot Marion	1918 A	Ithaca
Mellan, Daniel Henry	1918 V	New York City

Mallery, Lewis Bertrand	1920 Ag	Port Byron
Mallery, Robert Gray	1920 M	Owego
Mallery, Roger Henry	1919 Ag	Owego
Mallory, Donald Lee	1917 A	Brooklyn
Malmar, Howard Burgess	1920 M	Richmond Hill
Malone, Erwin Lionel	1917 M	New York City
Malone, William	1919 C	New York City
Maloney, Louis Brown	1919 C	Watkins
Manchester, Wilbur Oscar	1921 C	Nassau
Mandel, Simon David	1917 Ag	Brooklyn
Mandelberg, Joseph, A.B.	1919 M.D. (N.Y.C.)	Brooklyn
Mankin, Gilbert Haven, A.B.	1917 M.D. (N.Y.C.)	Washington, D. C.
Manning, Frank LeRoy	1919 Ag	Otisville
Manning, Lester Silvester	1917 Ar	Trumansburg
Mao, Thomson	Grad	Nanking, China
Mar, Frank William	1918 Ag	Richmond Hill
Marcoglou, Aristides Sawas	1919 M	Candia, Greece
Maretzke, Edwin	1918 Ag	Yonkers
Margulies, Albert	1920 Ag	New York City
Markham, Miles Capron	1918 V	Constableville
Markham, Robert Benjamin	1917 Ag	Turin
Markthaler, Leo Valentine	1920 M	Elmira
Marsh, Anna	1918 A	Brooklyn
Marsh, Frederick Howard Vermilyea	1919 A	Westfield, Pa.
Marsh, Henry Birdsall	1917 Ar	Summit, N. J.
Marsh, Herbert Edward	1920 V	New Milford, Conn.
Marshall, Archibald Warren	1919 A	Deming, N. M.
Marsland, Merwin Elliott, A.B.	1918 M.D. (N.Y.C.)	Walton
Marston, Otis Reed	1917 M	Berkeley, Cal.
Martin, Addison Leavens	1918 L	Atlanta, Ga.
Martin, Donnis, A.B., A.M.	Grad	El Dorado Springs, Mo.
Martin Gladys, A.B., A.M.	Grad	El Dorado Springs, Mo.
Martin, Harry Phillips	1919 Ag	Tomkins Cove
Martin, Honora Agnes	1917 A	Perth Amboy, N. J.
Martin, Howard Eshelman	1918 V	Clarence Center
Martin, Jack Casement	1920 A	Euclid, O.
Martin, James Homer	1920 Ag	Mohawk
Martin, James William Herman	1917 M	Coatesville, Pa.
Martin, John Ward	1918 C	Chicago, Ill.
Martin, Richard Houghton	1919 Ag	Lima
Martin, Richard Thomas Cassidy	1921 M	Perth Amboy, N. J.
Martin, Stanley Andrew	1919 Ar	Webster
Martin, Victor Kinnaman	1918 A	Buffalo
Martin, Willis Elwin	1920 A (Chem)	Newburgh
Martinez, Arturo, A.B.	1919 M.D. (N.Y.C.)	Mayaguez, Porto Rico
Martinez, Andrew Richmond	1920 L	New Orleans, La.
Martinez, Donald Skillman	1918 A	Oak Park, Ill.
Martins, Abilio Pinto	1920 Ag	Rio de Janeiro, Brazil
Martling, Harvey Blatchford	1920 A	Philadelphia, Pa.
Martsoff, Arthur Louis	1918 Ar	New Brighton, Pa.
Marx, Ellen Hedwig	1919 A	Newark, N. J.
Marx, Walter	1920 A	Newark, N. J.
Masius, Leonard Max	1920 L	New York City
Mason, Elliott Butler	1920 A (Chem)	Milwaukee, Wis.
Mason, Mary Maxine	1920 Ag	Ithaca
Mason, Scott Bryden	1919 L	Buffalo
Mason, Walker	1920 L	St. Louis, Mo.
Massey, Louis M., A.B., Ph.D.	Grad	Ithaca
Masson, Joseph DeMarnoz	1918 A	Hammondsport
Masterman, Arthur John	1919 Ag	Niagara Falls
Matakonsky, Harry	1918 A (Chem)	Port Chester
Mather, Charles Ronald	1920 Ag	Montclair, N. J.
Mathews, Alexander Ferdinand	1920 M	Lewisburg, W. Va.
Mathews, Charles Madison	1920 Ag	E. Orange, N. J.
Mathews, Edward Llewellynn	1920 C	Brooklyn
Matteson, Jane Louise, A.B.	Grad	Ypsilanti, Mich.
Matthews, Harry Grant	1917 C	Savannah, Ga.
Matthews, James Evart	1917 M	Brooklyn
Matthews, Paul Denison	1918 M	Wilmington, Del.
Matthiessen, Richard Peck	1918 A	Chicago, Ill.
Mattli, Peter Antony	1918 Ag	Goschner-Alp, Switzerland
Mauer, Jacob Clarence	1919 Ag	Cohoes
Maurice, Charles Alfred, jr.	1921 M	New York City
Mawha, James Kenneth	1919 M	Newark, N. J.
Maxeiner, Carl August	1918 C	Albany
Maxwell, Archibald McIntyre	1918 A	Owensboro, Ky.
May, Frederick Arthur	1920 A	Brooklyn
Mayer, Albert Kenneth	1918 Ag	Brooklyn
Mayer, Clyde	1919 M	Williamsport, Pa.
Mayer, John Davenport	1920 M	Bath

Mayer, Kurt Arnold	1920 Ag	Brooklyn
Mayer, Ludwig, Stolz	1918 Ag	Albany
Mayer, William Lyndon	1918 Ag	Durhamville
Maynard, Franklin Purdy	1919 Ag	Stamford
Maynard, Kingsley Darwin	1918 A	Roscoe
Mazurowski, Bruno Casimir, A.B.	1919 M.D. (N.Y.C.)	Buffalo
Meachem, William Rooseboom	1920 L	Chicago, Ill.
Mead, George Stephen Vaughn	1921 M	Mt. Vernon
Mead, Robert Gillespie, C.E.	Grad	Ossining
Meade, DeVoe, B.S.	Grad	Ithaca
Mears, Alvin Arthur	1920 M	Cleveland, O.
Medaugh, Frederick Wilbur, B.E.	Grad	Nashville, Tenn.
Medlong, Frederick William	1919 Ar	Oswego
Megear, William Bell, jr.	1920 A	Wilmington, Del.
Meier, Walter Julius	1919 C	St. Louis, Mo.
Meinhold, Louis	1918 V	New York City
Meissner, George Frederick William	1919 C	Astoria
Meissner, Harold Gustav	1917 M	Brooklyn
Meissner, James Armand	1918 M	Brooklyn
Meldrum, Clifford Curtis	1919 M	Brooklyn
Mellen, Arthur William, jr.	1917 C	New York City
Mellinger, Marion Frances	1918 A	Buffalo
Mendiola, Nemesio Blanco, B.S. in Agr., M.S.	Grad	Angono, Rizal, P. I.
Meng, Harold Anthony	1918 A	Rochester
Menke, Chester Hume	1917 Ag	Ithaca
Menocal, Jacinto John G' de	1919 M	Chaparra, Cuba
Menold, Harry Williams	1919 Ag	Omaha, Neb.
Mentzinger, William Fred, jr.	1919 C	Rockaway Beach
Merchant, Charles Henry	1920 Ag	West Monroe
Mereness, Kneeland Abram	1919 M	Sharon Springs
Merker, Herman	1918 M	Milwaukee, Wis.
Merrell, George, jr.	1919 A	St. Louis, Mo.
Merrick, John Finney	1917 M	Hamilton, Canada
Merrick, Lester Finney	1918 M	Hamilton, Canada
Merrill, Dudley Rae	1919 Ag	Brooklyn
Merrill, Earl Dewight	1919 Ag	Independent Hill, Va.
Merrill, Frederic Brettell	1917 Ag	Schoharie
Merrill, Raymond Nathaniel	1920 M	Springfield, Mass.
Merrill, Russel Hyde	1918 A (Chem)	Des Moines, Ia.
Merriman, Reniff Cutler	Spec Ag	Wellsbridge
Merritt, Douglas Depuy	1919 Ag	Woodbourne
Mertens, Jacob, jr.	1919 A	New Rochelle
Mertz, Gordon John	1920 M	Colden
Mertz, Pierre	1918 A	Jamaica
Messinger, Edith Katherine	1919 Ag	Oakfield
Messinger, John Milton	1920 A	Oakfield
Metcalf, Franklin Post, B.A.	Grad	Oberlin, O.
Metzger, Herbert John	1918 V	Groton
Metzger, Ruth Isidor, B.A.	Grad	Elmira
Meyer, Carl William	1920 Ag	Brooklyn
Meyer, Garret Frederick	1918 A	Buena Vista, Colo.
Meyer, George Charles	1917 M	Rochester
Meyer, Helen Luise	1919 A	Marcy
Meyer, Robert Oliver	1917 M	Denver, Colo.
Meyerson, Hyman	1919 A	New York City
Meyerson, Samuel	1917 Ag	Brooklyn
Meyler, Robert Gephard, M.E.	Grad	Los Angeles, Cal.
Mezger, Erwin Robert	1920 Ag	Newark, N. J.
Michel, Walter Eugene	1920 Ag	Riverton, N. J.
Michelson, Benjamin Charles	1919 C	Chicago, Ill.
Michener, John Hanson, A.B.	Grad	Erie, Pa.
Micou, Creswell MacMurray	1918 L	Washington, D. C.
Middaugh, Irving Seely	1918 Ag	Brookton
Middlehurst, Arthur Edward	1919 Ar	Vincennes, Ind.
Miffin, William Biddle	1921 C	Clayton
Migrdichian, Vartkes	1919 A	Kir-Naly, Rodosto, Turkey
Mihalko, Richard Barner	1920 Ag	Hobart
Milburn, Knapp, C.E.	1919 C	Chattanooga, Tenn.
Miles, George Swiggart	1918 A	Union City, Tenn.
Miles, Warren Ensign	1920 Ag	Erieville
Millard, Dudley Horton	1920 M	Kingston, Pa.
Millard, Ruth Parsons	1920 Ag	Troy
Millen, Frederic Hartwell, B.S.	Grad	Ithaca
Miller, Mabel Gertrude Beckley, B.S.	Grad	Butler, N. J.
Miller, Charles Marion	1919 M	Mayville
Miller, Charles Stern	1919 A	Corona
Miller, Clarence Merton	1918 V	Wells River, Vt.
Miller, Cyrus W.	1918 M	Brooklyn
Miller, Eda Grace	1918 A	Wilkes-Barre, Pa.
Miller, Elizabeth Janet	1919 Ag	Ithaca

Miller, Frederick William Addison, Ph.B., M.A.	Grad	Ivoryton, Conn.
Miller, George	1917 C	Bridgeport, Conn.
Miller, Harold Frank	1919 M	Baltimore, Md.
Miller, Harold Fredric	1920 Ag	Seneca Falls
Miller, Harold George	1917 C	East Orange, N. J.
Miller, Henry Rohrer	1919 Ag	Mamaroneck
Miller, Henry Taylor, M.D.	Spec M.D. (N.Y.C.)	New York City
Miller, Iva Evelyn	1920 Ag	Alden
Miller, Laura, A.B.	1920 M.D.	New York City
Miller, (Mrs.) Martha Himes	Spec Ag	New York City
Miller, Nathan Abraham	1919 L	Canal Fulton, O.
Miller, Peter Paul	1918 Ag	Buffalo
Miller, Robert Bullock	1919 A	Fitchburg, Mass.
Miller, Stella Miriam	1920 M.D.	West New York, N. J.
Miller, Thomas Winfrey	1917 Ar	Buffalo
Miller, Walter Lewis	1919 A	Thompson, Pa.
Miller, Wayne Downing	1919 M	Meriden, Conn.
Milligan, William Girvan	1918 Ag	New York City
Milliman, Ross Linzy	1919 C	Rochester
Mills, Adrian Morse	1920 V	Durhamville
Mills, Gregory Furlong	1920 L	Rochester
Mills, Harold Strycker	1917 Ag	New York City
Milmoe, Wheeler	1917 A	Canastota
Milstein, Samuel Harry	1920 A	Albany
Minasian, George Talmage	1919 M	Glen Ridge, N. J.
Mindes, Bernard	1919 L	Newark, N. J.
Ming, Frederick Woo	1920 Ar	Oakland, Cal.
Minier, George Rider	1918 Ag	Waco, Tex.
Minier, Julian Rider	1919 Ag	Waco, Tex.
Minns, Lua Alice, B.S.	Grad	Lodi, O.
Minshall, Robert	1917 M	Washington, D. C.
Minton, Maurice Meyer, jr.	1917 Ag	Hopewell Junction
Minton, Paul Haring	1920 M	Chatham, N. J.
Minty, John Emery	1920 M	Muskegon, Mich.
Miranda, Rafael Joseph	1919 M	Havana, Cuba
Miron, Adolph	1918 A	Elizabeth, N. J.
Miscall, Leonard	1919 C	Albany
Misner, Edward Gardner, B.S.	Grad	Dairyland
Mitchell, Albert Knell	1917 Ag	Albert, N. M.
Mitchell, Alice Pauline	1919 A	Ithaca
Mitchell, Charles Malcolm	1919 C	New York City
Mitchell, Marguerite	1919 Ag	Parkesburg, Pa.
Mitchell, Maxwell, B.S.	1920 M.D. (N.Y.C.)	New York City
Mitchell, Thomas Gresham	1920 Ag	Auburn
Mittleman, Louis	1919 A (Chem)	Buffalo
Moakley, Mildred Anna	1919 Ag	Ithaca
Modjeski, Charles Emmanuel John	1919 C	Chicago, Ill.
Moersfelder, William John	1919 Ag	New York City
Moesel, Julia, A.B.	Grad	Buffalo
Moffat, George Barclay	1920 Ag	New York City
Moffat, Reuben Curtis	1918 A	Ithaca
Moffitt, Robert Colborn	1918 M	Wallace, Idaho
Moffitt, Thomas Edward	1920 A (Chem)	Wallace, Idaho
Moir, William Whitmore Goodale	1918 Ag	Papaikou, Hawaii
Moles, Margaret Lyons, M.A., B.A.	Grad	Ithaca
Moline, Hilda Josephine	1919 Ag	Patterson
Molinet, Enrique	1920 M	Delicias, Ote., Cuba
Molony, Harman Martin	1917 M	Philadelphia, Pa.
Monaghan, Thomas Aloysius	1917 C	New York City
Monahan, Edward, jr.	1918 Ag	Johnstown
Mong, Wilbur Dale	1920 M	Titusville, Pa.
Monroe, George William, jr.	1918 A	Dryden
Monroe, Olive May	1920 Ag	Waverly
Monroe, Parker	1919 A	Salt Lake City, Utah
Montero, Harry Ernest, B.S.	1920 M.D. (N.Y.C.)	Bloomfield, N. J.
Montes, Carlos	1920 Ag	La Paz, Bolivia
Montfort, Ellis Lindsey	1920 V	Peruville
Montgomery, Maxine Erminie	1918 Ag	Montour Falls
Montgomery, Maxie Caroline	1917 A	Montour Falls
Moody, Robert Elbridge	1918 A	Rushville
Moon, Hubert Hill	1918 Ag	Burke, Va.
Moon, Merl Perrott, A.B.	Grad	Beaver Falls, Pa.
Moore, Arthur Hale	1921 C	Benton, Pa.
Moore, Dean Crawford	1918 A	Newark, N. J.
Moore, Erwin Veranus	1917 V	Ithaca
Moore, Harold Henry	1919 A	Auburn
Moore, Harry Cordery	1918 M	Atlantic City, N. J.
Moore, Irwin Likely	1917 A	Worcester, Mass.
Moore, James	Spec Ag	Kenwood
Moore, Kenneth Phelps	1917 C	Montclair, N. J.

Moore, Lloyd Edward, B.S.	1917 V	Pine Plains
Moore, Lucius	1917 Ar	Hudson
Moore, Marion William	1920 Ag	McGraw
Moore, Mary Eastman	1920 Ag	Ithaca
Moore, Roy Wallace	1918 Ag	Silver Creek
Moore-Smith, Jane Janetta	1918 A	Blauvelt
Moran, Amy Spencer	1917 A	Philadelphia, Pa.
Moran, Charles Blake	1919 M	Bernardsville, N. J.
Moran, (Mrs.) Mary Haley	Spec A	Boston, Mass.
Morath, George Sylvester, B.S.	Grad	Ithaca
Mordoff, Richard Alan, B.S. in Agr.	Grad	Ithaca
Morey, James Benedict	1918 M	Buffalo
Morgan, Carlton James	1920 V	Ohio
Morgan, Daniel Stentz	1917 A	Uniontown, Pa.
Morgan, Frederick John	1920 A (Chem)	Brooklyn
Morgan, Mary Ives	1920 Ag	Ithaca
Morgan, William Lionel	1917 A	Honolulu, Hawaii
Morrill, Channing Hawkes	1919 Ag	Richmond Hill
Morris, Charles Van Wie	1917 V	Binghamton
Morris, Cora Hennen	1920 M.D.	New York City
Morris, Donald Evan	1920 Ag	Lincoln
Morris, Ellen Taylor	1919 A	Philadelphia, Pa.
Morris, Ethel Mae	1918 Ag	Perry
Morris, Frederick Chester	1920 A	Fall River, Mass.
Morris, Henry Gray	1918 A	Jamestown
Morris, John Carless	1920 A	Sag Harbor
Morris, John Samuel	1917 M	Denison, Texas
Morris, Leighton Hayes	Spec Ag	Farmersville
Morris, Mary Elizabeth	1918 A	Oil City, Pa.
Morris, May Louise	1917 Ag	Lodi
Morris, Rexford Lansing	1917 M	Rochester
Morris, Robert Porter	1919 Ag	Lodi
Morrison, John Alexander	1919 M	Philadelphia, Pa.
Morrison, Margaret Jane	Spec A	Ithaca
Morrow, Anna Horton	1917 Ag	Ithaca
Morse, Charles Walter	1920 A (Chem)	Amsterdam
Morse, Donald Emerson	1919 Ag	Rochester
Morse, Frank Nicholas	1919 Ag	Union Springs
Morton, John Waller	1918 C	Washington, D. C.
Moses, Fannie	1918 A (Chem)	Baltimore, Md.
Moses, Winifred, B.S.	Grad	Ithaca
Mosher, Sidney Wood	1917 C	Poplar Ridge
Mosier, Merle Marion, A.B.	1917 M.D. (N.Y.C.)	Demarest, N. J.
Moskowitz, Jay, B.S.	Grad	Rochester
Moskowitz, Leo Charles	1919 Ag	Rochester
Mosser, Philip Dudley	1918 A	Boston, Mass.
Mott-Smith, Harold Meade, jr.	1918 A (Chem)	Schenectady
Mott-Smith, Stanley	1919 M	Honolulu, Hawaii
Mould, Clarence William	1917 V	Montgomery
Moulton, Paul Swain	1917 A	Ashton, S. Dak.
Muchmore, Merle Emily, A.B.	Spec Ag	Ithaca
Mueller, Lucien Wilbur	1917 M	Decatur, Ill.
Muenscher, Walter Conrad, A.B., M.A.	Grad	Lynden, Wash.
Muller, Charles George	1919 A	New York City
Müller, Gladys Marie	1917 A	Brooklyn
Muller, Mildred	1920 Ag	West Somerville, Mass.
Mulligan, Edward Durand, B.A.	1918 Ag	Rochester
Mullikin, Alfred	1917 C	Baltimore, Md.
Munisteri, Philip	1919 C	Brooklyn
Munroe, Emilie Frances	1918 A	Astoria
Munsell, Cornelia Adele	1920 Ag	New Hartford
Munsick, David Roger	1918 A	Maplewood, N. J.
Munz, Philip Alexander, A.B., A.M.	Grad	Denver, Colo.
Murphy, Will Brown	1918 M	Baltimore, Md.
Murphy, Helen Elizabeth	1917 Ag	Phoenix
Murphy, Henry Penny	1920 L	Pawling
Murphy, John Leo	1918 Ag	Morristown, N. J.
Murphy, Paul Charles	1918 A	St. Paul, Minn.
Murray, Harry Eugene	1919 L	Springfield Gardens
Murray, Malcolm Gibbon	1917 Ag	Kansas City, Mo.
Murray, Mary Isabel	1919 A	McDonald, Pa.
Murray, Paul Evans	1920 A	Washington, D. C.
Murray, William Henry	1920 C	Altoona, Pa.
Murrian, Leo Vincent	1917 V	Port Jervis
Murtha, William	1920 A (Chem)	Niagara Falls
Muskovia, Albin	1918 V	Cortland
Myers, Barton, jr.	1919 Ag	Norfolk, Va.
Myers, Bernard	1919 L	Rochester
Myers, Harvey William	1918 V	Kenora Lake
Myers, Ira Henry	1917 A	Buffalo

Myers, Irving	1918 A	Rochester
Myers, Jesse Lincoln	1918 M	Toledo, O.
Myers, Joseph Allen, jr.	1920 Ag	Bryan, Texas
Myers, Ralph Emerson, A.B., M.A.	1918 M.D. (N.Y.C.)	Cobleskill
Myers, Ralph John	1917 A	Pittsburgh, Pa.
Myers, William Harley	1918 Ag	Ithaca
Myers, William Irving, B.S.	Grad	Lowman
Mylchreest, Joseph Warren	1919 Ar	Middletown, Conn.
Nabenhauer, Fred Paul	1917 Ag	Stapleton
Nachmani, Isaac	1917 A	Rechoboth, near Jaffa, Palestine
Nadler, Aaron Morris	1917 Ag	Brooklyn
Nagler, Salyg	1918 C	New York City
Nakahara, Waro, B.S.	Grad	Tokyo, Japan
Nakamoto, Goichi	1917 C	Hilo, Hawaii
Nankivell, Francis John	1918 M	New York City
Nanz, Ralph Simpson, B.S.	Grad	Ithaca
Narwold, Alfred Henry	1920 Ag	Cleveland, O.
Nash, Edward	1921 M	Norwich
Nash, Naomi	1920 A	Ithaca
Naughton, Mary Loretta	1920 A	Ithaca
Nauman, Luther Marshall	1919 Ag	Ithaca
Naumburg, Frederic Wehle	1920 Ag	New York City
Nearie, William Otis	1919 C	Spring Lake Beach, N. J.
Neal, Alice Heselton	1920 A	Philadelphia, Pa.
Neate, Nathan Menzo	1917 V	Falconer
Needham, John Taylor	1918 Ag	Ithaca
Needle, Joseph	1920 C	Charleston, S. C.
Neeland, Charles John	1920 M	Montclair, N. J.
Neely, Elizabeth	1919 A	Philadelphia, Pa.
Neff, Lewis Knode, jr.	1917 A	New York City
Neill, Edward Ellington	1919 A	Ithaca
Nelms, Frank, jr.	1918 Ag	Philadelphia, Pa.
Nelson, Forrest Prince	1919 Ag	Groton, Vt.
Nelson, James Mandeville	1919 Ag	Mt. Vernon
Nelson, Margaret Hathaway	1920 M.D.	Buffalo
Nelson, Nathan Loeb	1919 Ag	Brooklyn
Nelson, Samuel Herman	1919 L	Newark, N. J.
Nemser, Joseph	1920 A (Chem)	New York City
Nesbit, Malcolm Montgomery	1920 A	Pittsburgh, Pa.
Nethercot, David George	1919 C	Winnetka, Ill.
Nethercutt, Glenn Thaddeus	1920 Ar	South Bend, Ind.
Neu, Edgar Wesley	1919 C	Buffalo
Neuhaus, Ralph	1918 M	Houston, Texas
Neuwirth, Isaac, B.S.	Grad (N.Y.C.)	New York City
Nevens, Milton Alson	1919 Ag	Glens Falls
Nevins, Robert Marcley, jr.	1920 Ar	Buffalo
Newbury, George Adelbert	1917 L	Ripley
Newlander, John Alvin	1918 Ag	Penn Yan
Newman, Charles Hardy, A.B.	Spec L	Ithaca
Newman, Harry Earl	1920 Ag	Rochester
Newton, Edward Martin, jr.	1918 M	Ithaca
Newton, Norman Toivo	1919 Ag	Brooklyn
Nicholas, Apollon John	1917 L	New York City
Nichols, Leslie Irving	1918 Ar	Evanston, Ill.
Nichols, Melvin	1918 A (Chem)	Dayton, O.
Nicholson, Raymond Vail	1919 C	Philadelphia, Pa.
Nicholson, Thomas Jesmond	1921 M	Wilkes-Barre, Pa.
Nickles, Edward Belmer	1918 M	Washington, D. C.
Niedeck, Marguerite	1917 Ag	Ithaca
Niedeck, May Evelyn	1917 Ag	Ithaca
Niedringhaus, William Francis	1918 M	St. Louis, Mo.
Nightingale, Donald James	1918 A	New York City
Nigrelli, James	1920 A	Peace Dale, R. I.
Null, Frederick	1919 A (Chem)	Buffalo
Nirenberg, Bertram	1918 M	Brooklyn
Nirenberg, Harry	1918 A	Brooklyn
Nix, Alma, A.B.	Grad	East Rockaway
Noble, Clarence Vernon, B.S.	Grad	Ithaca
Noble, Everett Ewing	1920 A	Lander, Wyo.
Noble, George Lansing	1918 M	Houston, Texas
Noble, Leland Foreman	1919 V	Mannsville
Noble, Ralph Edwin	1919 Ag	Ithaca
Nolan, Humphrey	1920 Ar	Spencerport
Nolin, Albert Raymond	1920 M	Auburn
Noonan, Henry Patrick	1918 V	Honeoye Falls
Nordlinger, Stephen Louis	1919 A	New York City
Norris, Leo Chandler	1919 Ag	Hornell
Norris, Olive Katherine, A.B.	Grad	Spencer
Northrop, Burdette K.	1919 M	St. Cloud, Fla.

Norton, Brainard Cleveland	1917 A	Southport, Conn.
Norton, Charles Erastus	1920 M	Byron
Norton, Darwin Parker	1918 Ag	Oneida
Norton, Laurence Joseph	1917 Ag	Middle Granville
Norton, William Kenneth	1918 Ar	Omaha, Neb.
Norwood, Stanley Marion	1918 A (Chem)	Ithaca
Nostrand, Dudley Stephen	1920 A	Jamaica
November, Nathan	1919 C	Brooklyn
Novogrudaky, Barnet	1919 A	New York City
Nugent, Paul Fordham	1919 A	Southampton
Nye, Ruth Hammond	1920 Ag	Auburn
Oakes, Charles Ernest, B.S. in E.E.	Grad	Corvallis, Ore.
Oakes, Claire Wellington	1920 Ag	Medina
Oates, Francis John	1920 Ag	Greene
Ober, Carleton Kingsley, B.A.	1920 M.D. (N.Y.C.)	White Plains
Oboler, Archibald	1917 L	Brooklyn
O'Brien, Gerald Aldrich	1918 Ag	Fredonia
O'Brien, Denis Henry	1917 M	Forsyth, Mont.
O'Brien, Earl Francis	1918 C	Solvay
O'Brien, Franklin Parsons	1919 A	Evanston, Ill.
O'Brien, James Chalmers	1917 A	Evanston, Ill.
O'Brien, John Emmett, A.B.	1917 L	Shortsville
O'Brien, John Leo	Spec Ag	Binghamton
O'Connell, Geoffrey Maurice	1917 A	Ithaca
O'Connor, Edward Francis	1919 M	Watertown
O'Connor, William Henry, jr.	1918 Ag	Horseheads
Odesky, Herman	1919 C	Brooklyn
Oelkers, Marita	1920 A	Brooklyn
Ogden, Priscilla Campbell	Spec Ar	Ithaca
Ogle, Ralph Edward	1918 Ar	Washington, D. C.
O'Gorman, Percy	1920 Ag	New York City
Ogren, Carl Francis	1917 M	Brooklyn
Ohlendorf, Walter, B.S.	Grad	Lockhart, Texas
Oldreive, Albert George	1918 Ag	Cleveland, O.
Olds, Edwin Glenn	1918 A	Lockport
Olds, Leon Audrey	1919 A	Cortland
O'Leary, James Hallen	1918 C	Clayton
Olney, Herbert Mason	1918 L	Ithaca
Olsan, David Byron	1920 L	Rochester
Olsen, Arthur	1918 L	South Norwalk, Conn.
Olson, Emery Evans, A.B.	Grad	Los Angeles, Cal.
Olson, George	1919 M	Chicago, Ill.
Olsson, Axel, A.B.	Grad	Ithaca
Orme, Charles Dickerson	1917 A	Atlanta, Ga.
Ornitz, Nathaniel Badisch	1920 C	Brooklyn
O'Rourke, Charles Edward	1917 C	New York City
O'Rourke, Edward, jr.	1918 L	Ft. Wayne, Ind.
Ortner, Howard Burnship	1918 Ag	Buffalo
Orton, Malcolm Fuller	1919 A	Elmhurst
Osborne, Charles Herrick	1918 M	Warrensburg
Osborne, Loyall Allen, jr.	1918 M	Stockbridge, Mass.
Ostergren, Oscar Raynor	1919 C	Brooklyn
Ostrander, Paul Duane	1921 M	Schuylerville
Oteiza, Pablo Benigno	1920 Ar	Cienfuegos, Cuba
Othman, James Carey	1917 M	Portland, Ore.
Otis, Willard Benjamin	1919 Ag	Venice Center
Ottley, Frances Mabel	1920 Ag	Ithaca
Overholser, Earle Long, B.S. in Agr., M.A.	Grad	Harrisonville, Mo.
Owen, Carroll Hopburn	1918 A	Millville, N. J.
Owen, Ralph Luzerne	1920 Ag	Ithaca
Owens, (Mrs.) Helen Brewster, A.B., A.M., Ph.D.	Grad	Ithaca
Owens, Horace Simrell	1920 C	Scranton, Pa.
Owens, James Thomas	1917 Ag	Willsboro
Owens, Mark	1918 Ag	Morristown, N. J.
Oxholm, Gustav Kiellam, B.A.	1919 M.D. (N.Y.C.)	New York City
Pabst, Howard Philip	1920 Ag	Albany
Pacello, Vincent Joseph	1917 C	Port Chester
Packard, Sidney Alton	1919 C	Oklahoma City, Okla.
Packer, Abraham	1918 V	Brooklyn
Paddock, Ralph Carpenter	1921 M	North Pownal, Vt.
Page, Clarence Harold	1918 L	Westfield
Page, E. Richard, B.S. in E.E.	Grad	Ithaca
Page, Joseph Russell	1920 Ag	Greene
Page, Robert Sawyer	1918 Ag	Newark, N. J.
Paine, Alfred Joseph	1919 Ag	Ithaca
Paine, Ernest Trowbridge, A.B., A.M.	Grad	Ithaca
Paine, Walter Thomas	1919 M	Woonsocket, R. I.
Palacio, Solis Angel	1920 Ag	Havana, Cuba

Palen, Frederick Gilbert	1917 M	New Rochelle
Palew, Philip	1920 Ag	Brooklyn
Palmer, Archie MacInnes	1918 A	New York City
Palmer, Charles Blakeslee	1920 M	North Tonawanda
Palmer, Ephraim Laurence, A.B., A.M.	Grad	Cortland
Palmer, Glenn Charles	1920 Ag	Oil City, Pa.
Palmer, Harold John, A.B.	Grad	Poughkeepsie
Palmer, Margaret Helen	1919 Ar	Detroit, Mich.
Palmer, Ralph Gorman	1918 Ag	Oil City, Pa.
Palmer, Sidney Harvey	1917 Ag	Brooklyn
Palmer, Walter	1918 Ag	Brooklyn
Panoff, Emanuel, B.S.	Grad	Brooklyn
Papke, William August	1919 A (Chem)	Brooklyn
Papp, Alexander	1920 A	Stafford Springs, Conn.
Paris, Anthony Charles	1919 A	Buffalo
Parish, Wesley Graham	1919 Ag	Lake Katrine
Parke, Richard Averill	1917 M	Minneapolis, Minn.
Parke, Torsten Herbert	1919 M	Chicago, Ill.
Parker, Paul Everett	1920 A (Chem)	Gouverneur
Parker, Ralph Coy	1917 Ag	Spencerport
Parker, Thomas Edmund	1920 L	Hyde Park on-Hudson
Parker, Vernon D., A.B.	1920 M.D. (N.Y.C.)	Batavia
Parkhill, Mortimer Smith	1917 M	Poughkeepsie
Parks, Raymond Wakeman	1920 Ag	Texas, Md.
Parks, Wellington Edward	1919 V	Leeds
Parmenter, Richard	1917 C	Geneva
Parrott, Leo	1921 M	Plattsburg
Parrell, Charles Victor, jr.	1917 A	Ithaca
Parsons, Enith Alice	1920 A	Washington, D. C.
Parsons, Harriot Anne	1919 Ag	Buffalo
Parsons, John Alden	1918 A	Hawkinsville, Ga.
Parsons, Julius Edward	1919 Ag	Sharon Springs
Parsons, Priscilla Bartlett	1918 A	Washington, D. C.
Parsons, Seth Gordon	1917 Ag	Sharon Springs
Pashley, Mable Rae	1918 Ag	Ovid
Paskow, Morris Herman	1917 A (Chem)	Newark, N. J.
Passmore, Lincoln Alan	1920 M	Philadelphia, Pa.
Patch, Robert Buckingham	1920 M	Berkshire
Patterson, Alfred Bryan, jr.	1919 A	Wilkesburg, Pa.
Patterson, Stuart Read	1920 L	Brooklyn
Patterson, William Kenneth	1919 M	Harrisburg, Pa.
Pattison, Edward Hargrave	1919 A	Troy
Pattison, Jean Harwood, A.B.	1919 M.D. (N.Y.C.)	New York City
Patton, Cuyler Shaw	1919 M	Akron, O.
Patton, Mabel Mary	1919 A	Gouverneur
Paul, Samuel Hollingsworth	1921 M	Philadelphia, Pa.
Payne, John Houston	1921 M	Ballston Spa.
Peabody, George Eric	1918 Ag	Wayland
Pearce, Abram Scott	1919 Ag	Sparks, Md.
Pearre, Willard Chase	1919 M	Yonkers
Pearson, George von Bonnhorst	1920 A	Pittsburgh, Pa.
Pease, Allan Emerson	1919 Ag	Geneseo
Pease, Donald Linus	1920 V	Delhi
Pease, Rodney Wesson	Spec Ag	Buffalo
Peck, James Oramel	1918 A	Baltimore, Md.
Peel, Henry Lindley	1920 Ag	East Orange, N. J.
Pefley, Harlen	1917 M	Boise, Idaho
Pekary, Charlotte Helen, A.B., A.M.	Grad	Brooklyn
Pellow, Frederick Lawrence	1920 Ag	Rochester
Pendleton, Claude M.	1918 C	Port Dickinson
Pendleton, Fields Seeley, jr.	1920 A	Brooklyn
Penfield, Marshall George	1919 A	Fulton
Penfield, Willis Edgar	1918 M	Fulton
Pennington, Victor Power, B.S.	1917 M	Millington, Md.
Pennock, Charles Foster	1920 A	Lansdowne, Pa.
Pentland, Henry Bishop	1919 Ar	Cleveland, O.
Pepper, Benjamin	1918 A	New York City
Perce, Charles Clifford	1919 Ag	Clyde
Perkins, Charles Stuart	1918 Ag	Newark
Perkins, Ralph Fulford	1917 Ag	Selkirk
Perlman, David	1919 C	Washington, D.C.
Perlzweig, Jacob James	1918 Ag	New York City
Perrine, Schuyler Alden	1920 Ag	Centralia, Ill.
Perry, David Robert	1919 L	Altoona, Pa.
Perry, Raymond Arnold	1918 Ag	Dundee
Perry, (Mrs.) Ruth Amor	Spec Ag	Ithaca
Perry, Warren Dunning	1920 A	Bound Brook, N. J.
Perry, William Henry, A.B., M.A., B.D.	Grad	King Ferry
Peters, Russell Holt	1920 A	Omaha, Neb.
Peterson, Carl William	1920 L	Ilion

Peterson, Ruth Edith Katherine	1918 Ag	Ithaca
Petrie, Maitland Bertran	1921 M	Pt. Pleasant, N. J.
Pettyjohn, Charles Raine	1918 M	Lynchburg, Va.
Pfueger, John Seiberling	1920 A	Akron, O.
Pfordte, Frederick Edgar	1919 Ag	Cairo
Pharo, Marian	1919 A	Philadelphia, Pa.
Phelan, Walter Francis	1917 A, 1920 M.D. (N.Y.C.)	Yonkers
Phelps, Alpheus Randolph	1918 L	Niagara Falls
Phelps, Leon Stanley	1920 Ag	Canton
Phelps, Samuel Bixby	1919 Ag	New York City
Philipson, Robert Arnson	1919 C	Ossining
Phillips, Charles Ainalie	1918 Ag	Ithaca
Phillips, Charles Moore, jr.	1918 Ag	Louisville, Ky.
Phillips, Cushing	1917 C	Brooklyn
Phillips, Frederick Wisner	1919 A	Galesburg, Ill.
Phillips, Harold Deane, A.B., B.S. in Agr.	Grad	North East, Pa.
Phillips, Jude Anna	1918 Ag	Crown Point
Phillips, Leroy McQueen	1918 M	St. Louis, Mo.
Phillips, Robert Conkling	1920 A	Port Jervis
Phillips, Robert Fletcher	1918 A	La Junta, Colo.
Phipps, Emma Virginia	1919 Ag	Buffalo
Phipps, George Robinson, B.S.	Grad	Ithaca
Pickett, Walter Herdman	1917 L	Brooklyn
Pidgeon, Howard A., B.Sc., M.Sc.	Grad	Pennsville, O.
Pierce, Claire Edith	1919 A	Limerick
Pierce, Kent Gilbert	1919 Ag	Limerick
Pierce, Paul Perry	1919 Ag	Machias
Pierce, William Marion	1918 A	Dunkirk
Piersol, John Allison	1917 C	Charleroi, Pa.
Pierson, Albert	1921 M	Brooklyn
Pierson, Arthur	1918 A	Meriden, Conn.
Pierson, Elvin Lyle	1917 M	Trumansburg
Piester, Charles John, jr.	Spec M	Ancram
Pigman, Augustus Penn	1919 M	Savannah, Ga.
Pike, Mary Elizabeth	1917 A	Seattle, Wash.
Pilgard, John Peter	1919 Ag	Hartford, Conn.
Pincoffs, Fernand Henry	1919 A	Highland Park, Ill.
Pincus, Barrett, B.S.	1920 M.D. (N.Y.C.)	New York City
Ping, Chih, B.S.A.	Grad	Ho Nan, China
Pioso, Robert Lyons	1921 M	Chicago, Ill.
Pitcher, Joel Ketchum	1920 A	Freeport
Place, Hermann Gauntlett	1917 A	New York City
Place, Willard Fiske	1918 A	New York City
Plass, Edward Lorenzo	1920 Ag	Poughkeepsie
Platt, John Bowman	1919 A	St. Paul, Minn.
Plahn, George Joseph, A.B.	1919 M.D. (N.Y.C.)	New York City
Plough, Arthur Westyn	1917 Ag	Vestal
Plunkett, Clarence Edward	1917 M	Rome
Plunkett, Guy Downs	1920 A	Jackson, Miss.
Podrog, Israel	1918 A (Chem)	St. Petersburg, Russia
Poehlman, James Elmer	1919 M	Baltimore, Md.
Pollard, George Fitz Randolph	1920 Ag	Chatham, N. J.
Polson, Alexander Vivian, B.A.	1917 M	Winnipeg, Canada
Pomeranz, Solomon	1918 Ag	New York City
Poad, Dorothy	1918 A	Crown Point
Poole, Gladys Eleanor	1917 Ag	New Rochelle
Pooley, Robert Cecil	1920 A (Chem)	Brooklyn
Poore, Leonard Lee	1919 Ag	Ithaca
Pope, Jack	1920 Ag	Rochester
Pope, William Hayes	1921 M	Haddonfield, N. J.
Poritsky, Abraham	1919 Ag	New York City
Poritsky, Hillel	1920 Ag	New York City
Porter, Albert Augustus	1919 A	Niagara Falls
Porter, Alexander Langmuir	1920 A	Niagara Falls
Porter, Catherine Lucy	1919 A	Patterson
Porter, Harry Wray	1919 A	Oakland, Md.
Porter, Henry Whittier	1917 M	Brookline, Mass.
Porter, Joseph Pullman	1917 Ag	New Rochelle
Porter, Lucy DuBois, B.A.	1919 M.D. (N.Y.C.)	New York City
Porter, William Herman	1919 Ag	Lockwood
Post, Abraham, M.D.	Spec M.D. (N.Y.C.)	Jamaica
Post, Charles Francis	1918 A	Pittsburgh, Pa.
Post, E. Sherwood	1917 A	Catskill
Post, George Birkbeck	1918 M	New York City
Postman, Mark William	1919 Ag	New York City
Potter, Benjamin	1917 Ag	New York City
Potter, Alfred Letimer, A.B.	1918 M.D. (N.Y.C.)	Hampton, Conn.
Potter, George Frederick, B.S.A., M.S. in Agr.	Grad	Madison, Wis.
Potter, Mary Isabelle	1917 Ag	Ithaca
Potter, Mildred	1918 A	Ithaca

Potter, Wilburn Herrick	1918 V	Varna
Potts, George Carson	1920 M	Philadelphia, Pa.
Pouzzner, Abraham	Spec L	New Britain, Conn.
Powell, Desmond Stevens	1920 A	Waverly
Powell, Glenn John	1917 V	Nunda
Powers, Patrick Francis	1918 Ag	Cohoes
Prangen, Evelyn	1920 A	Hornell
Pratt, Everett Norton	1919 A	Perth Amboy, N. J.
Pregler, Anton Andrew	1920 C	Glenbrook, Conn.
Prellwitz, Edwin Mitchell	1920 Ag	Peconic
Prentice, Thomas Harold	1917 C	Southington, Conn.
Preston, Frances	1919 Ag	Canton, Pa.
Preston, John Owings	1917 C	Baltimore, Md.
Preston, Ross McKean	1919 Ag	Ithaca
Previn, Siegfried	1920 M	New York City
Price, Albert Eugene, B.Arch.	Grad	Port Arthur, Texas
Price, Leo	1919 Ag	New York City
Price, Walter Van	1918 Ag	Syracuse
Priester, Oscar Frederick	1917 C	Davenport, Ia.
Priestley, Marian Randolph	1919 Ag	Olean
Prieto, Ferdinand Garcia, jr.	1920 M	San Miguel, Salvador, C. A.
Prince, Philip St. George	1918 M	Kosmosdale, Ky.
Pringle, James Maxwell	1917 A	New York City
Pritchard, James George	1919 Ag	Ithaca
Probes, Charles Frederick	1917 A	Elmira
Protzman, William Wilfred	1920 A	Brooklyn
Prout, Merritt Benton	1920 A	Windham
Prugh, Edwin Neven, jr.	1920 M	Bellevue, Pa.
Puder, Joseph Wilton	1920 M	Savannah, Ga.
Pugsley, Earl D., A.B.	Grad	Salt Lake City, Utah
Pujol, John B.	1920 C	Bolondion, Matanzas, Cuba
Pulford, Henry Lloyd	1920 M	Winnipeg, Canada
Pulliam, Harold Arthur	1918 A	Lexington, Ky.
Purdy, Alvin Canfield	1920 A	Middletown
Purdy, Charles Wesley	1918 A	Cambridge, Mass.
Purdy, Earl, B.S.	1920 Ar	Saratoga Springs
Purdy, Randall Brockner	1920 M	New York City
Purple, Carl Edward	1919 A	Newark Valley
Purpura, Ida Frances	1918 A	Herkimer
Putnam, Arthur James, A.B.	Grad	Deposit
Putney, Charles Milton	1917 V	Ithaca
Puttick, Gail Ferguson	1918 Ag	Wellington, S. Africa
Quackenbush, Leo	1921 M	Warwick
Quackenbush, Ralph Jacob	1920 Ag	Cornwall-on-Hudson
Quail, Frank Wesley	1917 Ag	Brooklyn
Quail, Wallace Blanck	1919 M	Brooklyn
Quaintance, Richard Edgcombe	1919 M	New York City
Quat, Arnold	1920 A (Chem)	New York City
Queeny, Edgar Monsanto	1919 A	St. Louis, Mo.
Quick, Clifford Daniel	1918 Ar	Ithaca
Quick, Francis Eugene	1919 Ag	Newton Centre, Mass.
Quick, Martha Edith	Spec Ag	Ithaca
Quimby, George Ellis	1920 Ar	Brooklyn
Quinan, Wickham Hartzell	1920 M	Manila, P. I.
Quinby, Millicent Harriet	1919 A	Chappaqua
Quinlan, Alice Marie	1918 A	Port Richmond
Quinlan, Walter Leahy	1918 A	Dalton, Mass.
Quinn, Edmond John, B.S. in Chem.	Grad	Bozeman, Mont.
Quinn, John Joseph, jr.	1917 C	Brooklyn
Quinn, Joseph Ambrose	Spec Ag	Tuxedo Park
Rabi, Isidor Isaac	1920 M	Brooklyn
Rackow, Mackey	1920 A	Spring Valley
Raffoer, Ida	1919 A	New York City
Rahinsky, Jacob Isreal	1920 Ag	Brooklyn
Ralph, Jean Elizabeth	1919 Ag	Buffalo
Ralston, Robert Wilbur, jr.	1919 M	Dallas, Texas
Ramage, Raymond William	1917 M	Auburn
Ramsdell, James Williams	1920 Ag	New York City
Ramsey, Charles Henry	1917 M	Albany
Rand, Leighton Payson, A. B.	1920 M.D.	Brooklyn
Rand, Ruth, A.B.	Grad	Brooklyn
Randolph, Frank Harrison, B.A.	1917 M	Rahway, N. J.
Randolph, George Fitz	1918 M	Atlantic City, N. J.
Randolph, Lowell Fitz, Ph.B.	Grad	Alfred
Rankin, Edward Stevens, jr.	1920 A	Newark, N. J.
Rankin, Karl Lott	1919 A	Topeka, Kans.
Ranno, Dwight Boutwell	1919 Ag	Washington, D. C.
Raplee, Jay Wixson	1920 Ag	Watkins

Rapp, Theodore George	1919 M	Delanco, N. J.
Rapp, William Jourdan	1917 Ag	Brooklyn
Rappleye, Snyder Charles	1919 Ag	Ithaca
Rasbridge, Emerson Buzzard	1920 A	Reading, Pa.
Raseman, Richard Perrien	1918 Ar	Detroit, Mich.
Rasmussen, Myers Peter	1919 Ag	Melrose
Ratelle, Ruth May	1920 A	Glens Falls
Ravenel, William de Chastignier, jr.	1918 M	Washington, D. C.
Raymer, Paul	1920 A	Beaver, Pa.
Raymond, Howard Douglass	1920 Ag	Brooklyn
Raymond, Lucia Bostwick	1919 A	Franklin
Raynarts, Sidney	1918 Ag	Rochester
Raynolds, Harold	1918 M	New York City
Raynor, Leroy Preston	1917 C	Riverhead
Read, Barclay Kerr	1919 A (Chem)	Philadelphia, Pa.
Read, Everett Charles	1917 M	Milwaukee, Wis.
Read, Stuart Arthur	1918 M	Milwaukee, Wis.
Read, William Merrill	1918 A (Chem)	Philadelphia, Pa.
Reading, Raymond Lyle	1919 M	Sydney, N. S., Canada
Reavis, Frank Charles, jr.	1918 L	Falls City, Neb.
Rebmann, Godfrey Ruhland, jr.	1919 M	Philadelphia, Pa.
Rebmann, Paul Cooper	1918 M	Wyncote, Pa.
Reck, Louis	1919 L	Brooklyn
Rector, Charles Harmon	1917 Ag	Binghamton
Redwood, John Percy	1917 C	Bay Pond
Reed, Alfred, jr.	1917 Ag	Pittsburgh, Pa.
Reed, Allen Baldwin	1920 A (Chem)	Beech Creek, Pa.
Reed, Bertha Mae	1918 Ag	Cortland
Reed, Cecil William	1919 Ag	Baldwinsville
Reed, Emily Sweetland	1918 Ag	Canandaigua
Reed, Eugene Barrett	1917 L	Springfield, Mo.
Reed, Harold Clifton	1917 A	Beacon
Reed, Lawrence Andrew	1920 M	Springfield, Mo.
Reed, Linn Vander Hyden, A.B.	1917 M.D. (N.Y.C.)	New York City
Reed, Louis Jerome	1920 A	Canandaigua
Rees, Florence duBois, A.B.	1920 M.D.	New York City
Rees, George	1919 M	Clayton
Reese, Fred Schuyler, jr.	1918 L	Ilion
Reese, Weston Roger	1919 M	Scranton, Pa.
Reesor, Mary, B.S., A.M.	1919 M.D. (N.Y.C.)	New York City
Reeve, Francis Wells	1917 Ag	Riverhead
Regnault, Harold	1917 Ag	New York City
Rehfeld, Frances Eugenia Hils	1917 A	Milwaukee, Wis.
Reibel, Philip Joseph	1920 Ag	Elizabeth, N. J.
Reichert, Charles Joseph	1917 Ag	New York City
Reid, Georgia, A.B.	1920 M.D.	New York City
Reid, Herbert Wesley	1919 A	Brooklyn
Reid, Kirk Mendenhall	1919 M	Warren, O.
Reid, Ralph David, A.B.	1917 M.D. (N.Y.C.)	Schenectady
Reid, William Taylor	1918 C	Brooklyn
Reider, Joseph Raycroft	1920 A	Cortland
Reifsnyder, Henry Gillam	1920 A	Langhorne, Pa.
Reigart, Elizabeth Hodgson	1919 A	Yonkers
Reiley, James McKendree, jr.	1918 M	Buffalo
Reimer, Franz Henry	1918 M	Chicago, Ill.
Reineman, Howard Hartje	1921 M	Pittsburgh, Pa.
Reinhard, Melvin Charles	1920 V	Buffalo
Reith, Marie	1921 M	New York City
Reitzes, Morris Lewis	1919 Ag	Gloversville
Relihan, Walter Joseph	1919 Ag	Owego
Renfrew, Franklin Ward, B.S.	1919 M.D. N.Y.C.)	New York City
Rettig, Hugo Valentine	1917 A	Buffalo
Reuther, Bernard Oscar	1920 Ag	Pine Plains
Reveley, Ida Louise, Ph.B., A.M.	Grad	Syracuse
Rex, Walter Edwin, jr.	1919 L	Philadelphia, Pa.
Reyes, Hermenegildo Balbino, B.A.	1918 M	Malolos, Bulacan, P. I.
Reymond, Paul LeGrand	1917 M	Saugatuck, Mich.
Reynolds, Almon Wentworth	1920 M	Oriskany Falls
Reynolds, Andrew Jackson	1918 Ag	Trumansburg
Reynolds, Bernice Caledonia	1920 Ag	Buffalo
Reynolds, Fred Arthur	1917 Ag	Ithaca
Reynolds, John Alva	1918 Ag	Rochester
Reynolds, Lewis Minter	1920 M	Liberty
Reynolds, Michael Brown	1920 Ag	Billings, Mont.
Reynolds, Morris Walter	1919 Ag	Johnstown, Pa.
Reynolds, Ralph Keeler	1917 M	Danbury, Conn.
Reynolds, Robert Norton	1918 Ag	Springville
Reznikoff, Paul, B.S.	1920 M.D. (N.Y.C.)	Brooklyn
Rhodes, Charles Elliott	1920 A	New York City
Ribble, Margaretha Antoinette, B.A.	1919 M.D. (N.Y.C.)	Mytheville, Va.

Rice, Emory Clark	1919 M	Baltimore, Md.
Rice, Esther Myrick	Spec Ag	Burt
Rice, Marion Electa	1920 Ag	Homer
Rice, William Karl, Ph.B.	Grad	Adams
Rich, Gilbert Joseph, A.B., A.M.	Grad	New York City
Richards, Alma Wilford	Spec Ag	Parowan, Utah
Richards, Dorrice Anwyl	1920 A	Ithaca
Richardson, Abraham Nathaniel	1919 A	Rochester
Richardson, George Garfield, M.D.	Spec M.D. (N.Y.C.)	Van Buren, Ind.
Richardson, J. Edward, jr., A.B., M.S.	Grad	Baltimore, Md.
Richardson, Leon Cuthbert	1920 C	Durham, N. C.
Richardson, Luther Locke	1917 M	Brooklyn
Richardson, Solon Albert	1918 V	Franconia, N. H.
Richmond, Donald Everett	1920 A (Chem)	Gt. Barrington, Mass.
Rickard, Guy	1918 Ag	Schoharie
Ridall, Edmund Wainwright	1919 M	Pittsburgh, Pa.
Rider, Arthur John, B.S., M.S.	Grad	Ithaca
Rider, Ruth Amy	1917 A	Forestville
Rigg, Melvin Gillison, A.B.	Grad	Baldwin City, Kans.
Rightmire, Delia Althea	1918 Ag	Trumansburg
Riley, Edgar Heisler, A.B.	Grad	Wilmington, Del.
Riley, Edward Maurice	1921 M	Bellows Falls, Vt.
Riley, Effey Lena	1918 Ag	Rochester
Riley, Frances Heisler	1919 Ag	Wilmington, Del.
Riley, John Philip	1921 C	Bellows Falls, Vt.
Riley, Lowell Hobart	1919 A	Orange, N. J.
Rimer, Paul Eugene	1918 A	Harrisburg, Pa.
Rimoldi, Frank Julius	1917 Ag	Ithaca
Rinehart, Marion Colburn	1920 M	New York City
Ringe, John Henry, 3d	1919 L	Three Tuns, Pa.
Ringe, Lester Charles	1919 L	New York City
Ringer, Michael, B.S.	1919 M.D. (N.Y.C.)	New York City
Ripley, Edward Warren, B.S.	1919 M.D. (N.Y.C.)	Brandon, Vt.
Rivenburgh, Dexter Vosburgh	1920 Ag	Philmont
Roat, Robert Henry	1919 M	Paterson, N. J.
Robbins, George Bertram	1917 A	Brooklyn
Robbins, Helen Lorene	1917 A	Port Norris, N. J.
Roberts, Fred White	1917 C	Denver, Colo.
Roberts, Hamilton Harvey	1919 M	South Poland, Me.
Roberts, Harvey Emmett	1919 M	East Orange, N. J.
Roberts, James Albert	1920 A	Pittsburgh, Pa.
Roberts, Marjorie Irene	1920 Ag	Dundee
Roberts, Oliver Willis	1920 L	Lockport
Roberts, Walter Cameron	1920 A (Chem)	Alexandria, Va.
Robertson, Archie Hunt	1918 Ag	Lounsberry
Robertson, George William MacDonald	1918 A	Brooklyn
Robertson, Lloyd Otis	1919 Ag	Churchville
Robertson, Robert Reynolds	1918 A	Mexico, Mo.
Robertson, Thomas Caffey	1919 M	Hernando, Miss.
Robertson, William Wallace, jr.	1917 M	North Tonawanda
Robinson, Aubrey Eugene	1920 V	Corona
Robinson, David, 2d	1919 M	Sewickley, Pa.
Robinson, Donald Many	1919 C	Mount Vernon
Robinson, Ernest Guy	1918 Ag	Moore, Mont.
Robinson, James Reid	1920 Ag	Springwater
Robinson, Loyd Watson	1919 Ag	Andover
Robinson, Marvin Bert	1918 Ag	Walton
Robinson, William Eber	1918 M	Akron, O.
Robinson, William Tobias	1919 M	Brooklyn
Robison, Ellis Howes	1918 Ag	Schenectady
Robison, George Merritt, A.B.	Grad	Cranberry Creek
Robson, Joseph William	Spec Ag	Hall
Robson, Orson Rupert	1920 Ag	Hall
Roche, Angelo James	1920 A	Penn Yan
Roche, Clifton Ross	1918 M	Louisville, Ky.
Rodemeyer, George	Spec M	South Orange, N. J.
Roden, Henry Wisdom	1919 M	Dallas, Texas
Rodger, John Aldrich	1918 A	Richmond Hill
Rodgers, Arthur Spencer	1919 Ag	Troy
Rodwell, Ward Arthur	1919 Ag	Albion
Roe, Elizabeth Agnes	1920 A	New York City
Roe, William Isaac	Spec Ag	Oxford Depot
Roesse, Minna Gesine	1920 Ag	Buffalo
Rofe, LeRoy Edward	1918 Ag	Preble
Rogers, Bertram James	1917 Ag	North Stockholm
Rogers, Donald Spencer	1917 Ag	Ithaca
Rogers, Ernest Cleveland, B.S.	Grad	Hammond, Minn.
Rogers, Fred Stillman, B.S., M.E.	Grad	Ithaca
Rogers, George Wilson	1920 Ag	Huntington
Rogers, William Alexander, Ph.B.	1919 M.D. (N.Y.C.)	Yonkers

Romer, Winifred	1917 A	Ithaca
Rood, Harold Joseph	1917 Ag	Binghamton
Root, Douglas Lee	1920 A	Cooperstown
Root, Maurice Timothy, A.B.	1918 M.D. (N.Y.C.)	Farmington, Conn.
Roper, Frank Adams, B.S., M.S. in Agr.	Grad	Owego
Ropes, John Marling	1917 M	Englewood Cliffs, N. J.
Roraback, Mildred Ruth	1919 A	Kinderhook
Rose, Bennett Eberhardt	1918 Ag	Saugerties
Rose, Frederick Preston	1918 Ag	Hot Springs, Ark.
Rosen, George Julius	1917 Ag, Grad	Brooklyn
Rosenbaum, Benjamin	1917 A (Chem)	New Haven, Conn.
Rosenberg, Josephine Mary Robertyna	1918 A	Binghamton
Rosenbloom, Lester Max	1918 L	Rochester
Rosenblum, Jerome	1919 A	Brooklyn
Rosenbluth, Mathilde	1918 A	New York City
Rosenstein, Morris	1919 Ag	New York City
Rosman, Joseph	1917 Ag	Garnerville
Ross, Alan	1918 L	Brooklyn
Ross, Albert Miller	1920 M	Ilion
Ross, Edwin Delespine	1917 Ag	Summit, N. J.
Ross, Inez Matilda	1920 A	Brooklyn
Ross, John William	1919 Ar	New York City
Ross, Sidney Henry	1917 Ag	Brooklyn
Rosseau, Leon Edwll	1920 M	Lyme, Conn.
Roth, Walter Earl	1917 M	Buffalo
Rothwell, James Lee	1918 Ag	Elmira
Rotunda, Dominick Peter	1918 A	Dunkirk
Roush, William Luther	1919 M	Proctorville, O.
Routh, Joseph Phelan	1918 Ag	New York City
Roux, Louise Martha	1920 Ag	Newark, N. J.
Rowan, Eugene Joseph, jr.	1920 Ag	Delanco, N. J.
Rowell, Homer Ransom, B.S.	Grad	Groveland, Mass.
Rowland, Charles Joseph	1917 A	Olean
Rowlee, Elizabeth	1917 A	Ithaca
Rowlee, Silence	1920 A	Ithaca
Royce, Frank Gray	1919 L	Fulton
Royce, Milton Pettis	1920 Ag	Ithaca
Rubenstein, Joseph	1920 Ag	Brooklyn
Rubin, Abner Joseph	1919 A	Milwaukee, Wis.
Rubin, Henry	1918 A	Newark, N. J.
Rubin, Yette Nathalie	1920 A	Troy
Rubinger, Joseph	1917 Ag	New York City
Rubinow, Leonora Blanche	1920 A	Newark, N. J.
Ruby, Howard Everett	1920 Ag	Oneida
Ruckes, Herbert	1917 Ag, Grad	New York City
Rudd, Phyllis	1917 A	Blue Island, Ill.
Rudy, David	1919 A	New York City
Ruhl, David Antes	1918 C	Des Moines, Ia.
Ruhlmann, Pearl Sylvia	Spec Ag	Ithaca
Ruiz, Juan José	1917 M	Banes, Oriente, Cuba
Rulison, Edith Myra	1918 Ag	Scottsville
Rundlett, Edwin Albert	1919 Ag	Tompkinsville
Rupert, Philip Douglas	1920 Ag	Seneca
Rurode, William	1920 A (Chem)	Jersey City, N. J.
Russel, William Muir	1917 A	Detroit, Mich.
Russell, Aileen Bernice	1917 Ag	Canastota
Russell, Edwin Philip	1917 A, 1920 M.D.	Crown Point
Russell, Ernest Frederick	1920 M.D. (N.Y.C.)	White Plains
Russell, George Henry	1919 Ag	Winthrop
Russell, Maurice Spencer	1918 Ag	Carbondale, Pa.
Russell, Orrin Storey	1917 Ag	Warren, Pa.
Russell, Robert Camp	1917 C	St. Louis, Mo.
Rutan, Everett John	1919 M	Brooklyn
Ryan, Edie Dunn	1919 A	Ardmore, Pa.
Ryan, Emmett James, jr.	1918 Ag	Seneca Falls
Ryan, Phil	1920 M	Helena, Mont.
Ryan, Thomas James	1918 M	Chicago, Ill.
Ryder, Morton, A.B.	1918 M.D. (N.Y.C.)	Carmel
Ryerson, Robert Emmett	1918 A	Middletown
Rynalski, Augustyn	1920 A (Chem)	Fredonia
Rynalski, Henryk	1919 A (Chem)	Fredonia
Sabel, Samuel	1918 Ag	New York City
Sachs, Kalvin Norman	1920 M	Hartford, Conn.
Sack, Samuel Albert	1920 L	Hartford, Conn.
Saddler, Frank, jr.	1917 Ag	Ithaca
Safir, Israel	1919 A	Brooklyn
Sager, Floyd Chauncey	1917 V	Waverly
St. John, Emma Mildred	1919 Ag	Ithaca
Sallinger, Arthur, jr.	1917 M	New York City

Salisbury, Maxwell Eugene	1921 M	Norwich
Salmow, Daniel	1918 M	Brooklyn
Salsbury, Howard Eugene	1920 M	Cazenovia
Sammet, Joel Elwin	1917 A	Brooklyn
Sampson, Archer Maddy	1919 M	Muncie, Ind.
Sampson, Gertrude Sargent	1919 Ag	Mount Vernon
Samuels, Herbert Pioso	1921 M	Chicago, Ill.
Samuels, Louis David	1918 Ag	Mount Vernon
Sanborn, Clifton Root	1920 Ag	Ashtabula, O.
Sand, Austin Wertman William	1918 Ag	Lockport
Sandburg, Rudolph William	1917 A	Olean
Sanderson, Elizabeth Esther	1920 A	Walton
Sandford, Vernon Gulick	1919 Ag	Sherman
Sando, Francis Blair	1918 M	Scranton, Pa.
Sands, Beatrice	1919 A	Kennedy
Sands, Walter Stanley	1919 M	Melrose, Mass.
Sanford, Miles Blinn	1917 A	LaGrange, Ill.
Sanford, Trent Elwood	1919 Ar	LaGrange, Ill.
Santee, Clyde Bennett	1917 L	Middletown
Saperston, Alfred Morton	1919 L	Buffalo
Saphir, Herbert	1919 A	Brooklyn
Sarafian, John Richard	1920 A (Chem)	Woodhaven
Saunders, Walter LeRoy	1917 C	Washington, D. C.
Sauters, John Davis, jr.	1918 A	Martins Ferry, O.
Sauters, William Frederic	1920 M	Cleveland, O.
Savage, Clifford Boynton, B.S.A., M.S. in Ag.	Grad	Frankfort, Mich.
Savage, Watson Lewis, jr.	1920 Ag	Mamaroneck
Sawyer, Helen	1919 A	Terre Haute, Ind.
Sayles, Sheldon Rich	1920 M	Indianapolis, Ind.
Scales, Herbert Leroy, jr.	1920 A	Houston, Texas
Scammell, Robert Jesse	1920 Ag	LaFayette
Schaaf, James Edward	1919 Ag	Nutley, N. J.
Schaaf, Rudolph George, jr.	1918 M	Nutley, N. J.
Schack, William	1919 A (Chem)	Brooklyn
Schaefer, Carl	1919 Ag	Tompkinsville
Schaefer, Frederick LeRoy	1918 M	Cincinnati, O.
Schaeffer, Ralph William, B.S.	1920 M.D. (N.Y.C.)	Rochester
Schaetzel, Julius	1918 Ag	Los Angeles, Cal.
Schaffer, Isidor Moses	1919 A	Mount Vernon
Schartel, Lyle Thomas	1917 M	Reading, Pa.
Schauffler, Leslie Reynolds	1920 C	New York City
Schaum, Eduard Alvin	1920 A	New York City
Scheckel, William Boulton	1917 C	Brooklyn
Scheer, Henry Isaac, B.S.	1919 M.D. (N.Y.C.)	New York City
Scheetz, Francis Harley, A.B., B.Chem.	Grad	Norristown, Pa.
Schelder, Bernardine Veronica	1918 A	Mansfield, O.
Schell, Howard DeGraff	1919 Ag	Brooklyn
Schelleng, John Christopher, A.B.	Grad	Ithaca
Schempf, Robert	1920 C	New York City
Schenck, Hal Emerson	1917 A (Chem)	Shelby, N. C.
Schenck, Irving Priestley	1920 M	Flemington, N. J.
Schenck, Samuel George	1920 A	Brooklyn
von Schenk, Kurt, A.B.	Grad	Rockville, Conn.
Scherago, Morris	1917 Ag, 1919 V	Brooklyn
Schereshevsky, Pincus	1917 Ag	Ithaca
Schermerhorn, Mildred	1919 A	South Glens Falls
Schimpff, Charles Henry	1919 M	Peoria, Ill.
Schively, Yale Roots	1917 M	Ithaca
Schlecht, Martin Frederick	1917 A	Syracuse
Schlein, Paul	1919 Ag	Brooklyn
Schlesinger, Charles Jackson	1919 Ag	New York City
Schlitz, Karl Washington	1918 A	Brooklyn
Schmelter, Harry Emil Richard, B.S.	Grad	Brooklyn
Schmid, Carl Julius	1919 Ag	Montgomery
Schmid, Hermann	1917 A	New York City
Schmid, John Haviland	1919 L	Montclair, N. J.
Schmid, Julius Carl, jr.	1920 A (Chem)	Montgomery
Schmid, Walter	1918 M	Kingston
Schmidt, August, jr.	1919 M	Ithaca
Schmidt, Carl Fred	Spec Ar	Rochester
Schmidt, Clarence Woodbridge	1917 M	Des Moines, Ia.
Schmidt, Dagmar Alfvén	1918 A	Ithaca
Schmidt, Henry George	1919 Ag	Richmond Hill
Schmidt, Olive Josephine	1918 L	Spring Valley
Schmidt, William Stouffer	1920 M	Belleville, Pa.
Schmitt, Charles Henry	1919 Ag	Rutland, Vt.
Schmutz, Frederick Charles	1919 A (Chem)	West Hoboken, N. J.
Schnee, Vernon Higgs	1919 A	Cleveland, O.
Schneider, Frank Edwin	1921 M	Glens Falls
Schneider, Herbert Collins	1917 M	Washington, D. C.

Schnirel, Anna Elizabeth	1918 A	Geneva
Schoeffler, Freida Helena	1918 A	Schenectady
Schoellkopf, William Graebe	1919 A	Buffalo
Schrader, Helen Margaret	1919 A	Plattsburg
Schroeder, Henry Joseph, jr.	1919 Ag	Saugerties
Schroeder, Lloyd Herman	1920 Ag	New York City
Schroeter, Robert Huber	1919 M	Marion, O.
Schultheis, Daniel, A.B.	1917 M.D. (N.Y.C.)	College Point
Schultz, David	1918 A (Chem)	New York City
Schultz, Peter Alphons	1919 A	Buffalo
Schultze, Emily Christine	1917 L	Ithaca
Schulz, Eric Theodore	1920 A (Chem)	Wilkes-Barre, Pa.
Schumann, Anna Voorhees	1918 Ag	Rushville
Schumm, Paul Berwig, B.S.	Grad	New York City
Schurman, Jacob Gould, jr.	1917 A	Ithaca
Schustek, Irving	1920 Ag	New York City
Schutt, Mildred Florence	Spec Ag	Ithaca
Schutte, Henry Clarence	1919 A (Chem)	West New Brighton
Schwadron, Samuel, B.A.	1918 M.D. (N.Y.C.)	New York City
Schwager, Harry Leon	1920 Ag	Wilkes-Barre, Pa.
Schwarte, Louis Harold	1918 Ag	Saratoga Springs
Schwartz, Benjamin	1918 L	Brooklyn
Schwartz, Edgar Louis	1917 Ag	West New Brighton
Schwartz, Edward Albert	1920 A	Poughkeepsie
Schwartz, John Rupley	1918 L	Poughkeepsie
Schwartz, Leslie Charles	1917 A	New York City
Schwartz, Samuel	1919 Ag	Brooklyn
Schwartzreich, Sol	1920 M	New York City
Schweinler, Frederick Lewis	1920 L	West Orange, N. J.
Schweitzer, Thomas Robert	1919 Ag	Brooklyn
Scileppi, Francis Paul	1917 C	Elmhurst
Scott, Benson Glenwood	1919 A	Pocatello, Idaho
Scott, Irvin	1920 A	Provo, Utah
Scott, Joseph Prestwich, D.V.M.	Grad	Salem, O.
Scott, Merit	1920 A	Glens Falls
Scott, Robert Edward Lee	1920 A	Lyons
Scott, Walter Lee	1919 Ag	Franklin, Pa.
Scudder, Galen Fisher, A.B.	1917 M.D. (N.Y.C.)	Glastonbury, Conn.
Scudder, Norman Waterbury, A.B.	1920 M.D. (N.Y.C.)	Glastonbury, Conn.
Scutt, Dana Rolland	1919 V	Olean
Seabrook, William Henry	1918 V	Brooklyn
Seager, Lydia Amanda	1919 A	South Orange, N. J.
Seager, Paul Sylvester	1919 A	South Orange, N. J.
Seaman, Bleecker Noel Provoost	1919 A	Brooklyn
Seaman, Van Brunt	1918 C	Brooklyn
Seaman, William Amasa	1920 A	Walton
Searles, Frances Elizabeth Willard	1918 Ag	Montour Falls
Searles, Harold Napton	1917 M	East Orange, N. J.
Seaver, Lloyd Badger	1917 Ag	Brooklyn
Sebree, Edmund Bower	1921 M	Olney, Ill.
Seeger, Eva May	1918 A	Chatham
Seelbach, Charles George	1919 Ag	Buffalo
Seeley, Eric Tull	1918 Ar	Spokane, Wash.
Seeley, Minnie Leona	Spec L	Norwich
Seely, Homer Russell	1919 C	Springfield, Mass.
Seely, William Elmer	1917 A	Poughkeepsie
Segnitz, Paul Herman	1917 A (Chem)	Milwaukee, Wis.
Seibert, Edwin William	1917 M	Buffalo
Seibold, Carl Stephen	1919 M	Rochester
Seldman, Solomon	1919 M	New York City
Sela, Francisco Cebollero	1919 A	Lares, Porto Rico
Selter, Joseph Earl	Spec M	Detroit, Mich.
Selby, Wayne Colfax	1918 L	Omaha, Neb.
Selden, Marian Minerva	1918 Ag	Rome
Soley, Samson Abraham	1918 A	New York City
Seligman, Anne May	1917 A, 1920 M.D.	Keyport, N. J.
Seligmann, William John	1917 A	Buffalo
Selkirk, Anna Regina	1918 A	Brooklyn
Senecal, Henry Jess	1919 C	Watertown
Senn, Isabel Ruth	1918 A	Batavia
Serrano, Luis	1919 Ag	Quito, Ecuador
Settle, Charles Jay, jr.	1919 Ag	Cobleskill
Seyernace, Mildred, A.B.	Grad	Buffalo
Seward, Gertrude North	1919 Ag	Binghamton
Sewell, Dorothy Austin, A.B.	Grad	Walton
Sewell, Marjorie Louisa	1917 Ag	Walton
Sewell, Oscar James	1919 C	Olive Hill, Ky.
Sexton, Marjorie Gertrude	1918 Ag	Syracuse
Seymour, Alonzo Morton	1918 M	Poughkeepsie
Shackleton, Horace Ellsworth	1919 A	Buffalo

Shadle, Albert Ray, B.A., M.A.
 Shafer, Charles Augustus
 Shafer, Leland Twitchell
 Shafer, Cora May
 Shallow, Edward Byrne, jr.
 Shanahan, James Edward
 Shanks, William Grant
 Shanly, John Sexton
 Shannon, Adrian Foote
 Shannon, Raymond Corbett
 Shapiro, Bernard Joseph
 Shapiro, Caspar
 Sharlit, Herman, B.S., B.A.
 Sharrett, Helen Miriam
 Shaw, Arnold Campbell
 Shaw, Dorothy Mary
 Shaw, James Roger
 Shaw, Stanley Newman
 Sheffer, Mitchell
 Shelley, Leander Ivon
 Shelp, Edward Nelson
 Shelton, Gertrude Mary
 Shelton, William Bristol
 Shepard, Charles Dorman
 Shepard, Emily Eloise
 Shepard, Leslie Mansfield
 Sherburne, Arthur John
 Sheridan, John Edward
 Sheridan, Joseph Talbot
 Sherman, Horace Arthur
 Shershevsky, Arthur Louis
 Sherwood, Coleman Hobart
 Sherwood, Florence Kathryn
 Shevalier, Marion Kathryn
 Shiffer, Joseph
 Shill, Claude Edward
 Shindler, Max
 Shing, Shao-Chang
 Shipman, Samuel Saul
 Shiverick, Francis Tobey
 Short, Harold Armstrong
 Short, Jeannette
 Shoulkin, Simon
 Shuler, John David
 Shull, Clare Orris
 Shults, Erna Rose
 Shultz, Abraham
 Shultz, George Lester
 Shultz, Searles Gregory
 Shuman, William Darlington Mullen
 Shumway, Harold Lester
 Sibley, Charles Kerr
 Siebern, William Durrell
 Siegel, Louis Carl
 Siegel, Maxwell Mordecai
 Signor, Elizabeth Arnold
 Sigby, Robert Ernest
 Sikes, Earl Ray, A.B.
 Silberbush, Max
 Silva, George
 Silverberg, Samuel Joshua
 Silverman, Saul Auguste
 Silvers, Lewis Julian
 Simelowitz, Aaron
 Simmen, George Pestalozzi
 Simmons, Rosine Ruth
 Simon, Abraham
 Simonson, Wilbur Herbert
 Simpson, Arthur Fred
 Simpson, Arthur Winfield
 Simpson, Edith Maude
 Simpson, Elizabeth Thompson
 Simpson, Harold Eugene
 Simpson, Kenneth Franklin
 Simpson, Ruth Virginia Jane
 Sinclair, Frazer Vantin
 Singer, Leland William
 Sirmine, Horace Stilwell
 Sisson, Howard Spencer
 Sivian, Leon John, A.B.

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 1918 A
 1918 Ag
 Grad

Ithaca
 Tyrone
 Brockport
 Plymouth, Pa.
 Brooklyn
 Amsterdam
 New York City
 Binghamton
 New York City
 Washington, D. C.
 Brooklyn
 Brooklyn
 Brooklyn
 New York City
 Central Valley
 Lake George
 Rockland Lake
 Denver, Colo.
 Mamaroneck
 Middletown
 Amsterdam
 Owego
 Dunkirk
 LeRoy
 Honeoye Falls
 Honeoye Falls
 Schenectady
 Penn Yan
 Richmond Hill
 Livonia
 Hartford, Conn.
 Yonkers
 Freeville
 Ithaca
 Brooklyn
 Avoca
 Hurleyville
 Chengtu, China
 Brooklyn
 Chicago, Ill.
 Baltimore, Md.
 Penn Yan
 Brooklyn
 Davenport, Ia.
 Baltimore, Md.
 Cohocton
 Brooklyn
 Skaneateles
 Skaneateles
 Pittsburgh, Pa.
 Ithaca
 Kingston
 Cincinnati, O.
 Brooklyn
 Elmira
 Plattsburg
 Saratoga Springs
 Clayton, N. C.
 New York City
 Santiago, Chile
 Hartford, Conn.
 Sudbury, Ontario, Canada
 New York City
 New Rochelle
 Buffalo
 Williamsport, Pa.
 New York City
 Lynbrook
 Buffalo
 New York City
 New York City
 Huntsville, Ala.
 New York Mills
 Onawa, Iowa
 New York City
 Brooklyn
 Genoa
 Trumansburg
 Sherburne
 Brooklyn

Skeels, Irving Thomas	1920 A	Owego
Skalding, Paul	1919 A	Southbury, Conn.
Skinner, Robert Alexander	1918 C	New York City
Skinner, Robert Gates	1919 M	Lakewood
Skinner, William Edward, jr.	1920 A	Chicago, Ill.
Skinner, Winifred	1918 A	Rochester
Skirvin, Orrin William	1920 Ag	New York City
Slaff, Frank	1920 L	Mount Vernon
Slamm, John Bernard	1917 A	Cleveland, O.
Sly, John Lasear, A.B.	1917 M.D. (N.Y.C.)	Warwick
Smainis, George Abraham, B.A.	1919 M	Larnaca, Cyprus Island
Small, Henry Spahr	1919 M	York, Pa.
Smalley, Ralph Jedson	1919 L	North Plainfield, N. J.
Smiley, Dean Franklin, A.B.	1919 M.D. (N.Y.C.)	Brooklyn
Smiley, Edwina Maria, B.A.	Grad	Mansfield, Mass.
Smith, Ainsworth Lockhart	1919 A	Brooklyn
Smith, Alanson Follansbee	1920 A	Milwaukee, Wis.
Smith, Alger James	1921 C	Corning
Smith, Alice Louise	1920 A	Cornwallville
Smith, Alpheus Waldo	1919 A	Ithaca
Smith, Benjamin Adams	1917 M	Lakewood, O.
Smith, Carl Dickey	1917 Ag	Ithaca
Smith, Charles Vivian, A.B.	Grad	Crawfordsville, Ind.
Smith, Chester Bangs	1919 L	Buffalo
Smith, Clarence Louis	Spec Ar	Portland, Ore.
Smith, Clifford Durand	1917 M	South Bend, Ind.
Smith, Dana Conrad	1920 A	Minneapolis, Minn.
Smith, Earl D.	1920 V	Cortland
Smith, Editha Cora	1917 Ag	Ithaca
Smith, Edwin	1917 Ag	Brooklyn
Smith, Elliot Boughton	1920 M	Rochester
Smith, Elmer Herbert	1918 Ag	Deerfield
Smith, Elwyn Lawrence	1917 M	Syracuse
Smith, Emerson Vance	1920 A	Toledo, O.
Smith, Ernest Edward, A.B.	Grad	Skaneateles
Smith, Ernest Rice, A.B.	Grad	Ithaca
Smith, Eugene Russell	1920 Ag	Monroe
Smith, Everdell Gillespie	Spec Ag	Brooklyn
Smith, Fabian McKeon	1917 Ag	Spokane, Wash.
Smith, Fenner Carlton	1918 V	Ithaca
Smith, Francis Noel	1918 Ag	Baltimore, Md.
Smith, Frank Kye, A.B.	Grad	Norman, Okla.
Smith, Frank Ward	1918 A	Fredericksburg, Va.
Smith, George Herbert	1918 Ar	Ithaca
Smith, Gerald Sturtevant	1919 M	Brooklyn
Smith, Gus Frederick, B.S. in Agr.	Grad	Elyria, O.
Smith, Harold Meade	Spec Ar	Cleveland, O.
Smith, Henry Clay	1919 Ag	Freeville
Smith, Herbert Evans	1919 Ag	Palmyra
Smith, Holland Holmes	1920 Ag	Mexico
Smith, Homer William, B.S.	Grad	Egan, S. D.
Smith, Howard Cook	1917 M	Buffalo
Smith, Irene Fay	1918 A	Gloversville
Smith, Irving Carleton	1920 A	Lowville
Smith, Jacob, B.S.	1920 M.D. (N.Y.C.)	New York City
Smith, James Wallace	1918 Ag	Lakewood, O.
Smith, Jonas Milton	1919 L	Sharon Springs
Smith, Laura Mae	1919 Ag	Palantine Bridge
Smith, Lawrence Victor	1918 A	Toledo, O.
Smith, Louis Edward	1919 Ag	Livingston Manor
Smith, Marion Dunham	1920 A	Greene
Smith, Mary Florence	1919 A	Verona, N. J.
Smith, McNeir	1920 M	Washington, D. C.
Smith, Maurice Frank	1920 M	Rome
Smith, Roger Cletus, A.B., M.A.	Grad	Dayton, O.
Smith, (Mrs.) Ruby Green, A.B., A.M., Ph.D.	Grad	Ithaca
Smith, R. Wallace	1920 Ag	Brooklyn
Smith, Sidney William, jr.	1918 L	Ogdensburg
Smith, Stanley Wallace	1920 Ag	Whitestone
Smith, Theodore Levi, C.E.	Grad	Forty Fort, Pa.
Smith, Walker	1920 Ag	Minneapolis, Minn.
Smith, Walter Fox	1918 A	Watertown
Smith, William Anton, jr.	1919 M	Baltimore, Md.
Smith, William Dudley, A.B.	1918 L	Schenectady
Smith, William Randolph, A.B.	1919 M.D. (N.Y.C.)	Brooklyn
Smolan, Morris	1919 Ag	New York City
Smock, Joseph	1919 C	New York City
Smyth, Herbert Crommelin, jr.	1920 A	New York City
Snively, Hubert Kling	1919 Ar	Chicago, Ill.
Snow, Frank	1917 Ag	Camden

Snow, Ralph	1918 V	Central Square
Snyder, Bernard Clark	Spec Ag	Machias Jct.
Snyder, Howard Urquhart	1920 Ar	South Bend, Ind.
Snyder, Norman	1919 M	Ithaca
Snyder, Robert Melville	1920 A	South Bend, Ind.
Snyder, Robert Mifflin, B.S.	Grad	East Lansing, Mich.
Snyder, Robert Yarnell	1920 L	Elmira
Snyder, Walter C.	1918 V	Ithaca
Soderholm, Walter Harold	1918 Ag	Syracuse
Sohon, Julian Arell	1918 A (Chem)	New York City
Solfleisch, Florence Madeline	1918 L	Bogota, N. J.
Solomon, Edward Lawrence	1921 M	Beaver Falls, Pa.
Solomon, Samuel Joseph	1920 A	New York City
Solovay, Benjamin	1919 A	Brooklyn
Soman, Philip Ephraim	1917 C	New York City
Sorokin, Marcus	1920 C	Rostoff on Don, Russia
Sosa, Horacio Dionisio	1919 Ag	Panama, Rep. of Panama
Soskin, William	1919 Ag	New York City
Souter, Charles Edward	1920 A	Whitehall
Sovocool, Stanley Morell	1920 M	Addison
Spader, George Almond	1919 Ag	Watkins
Spaeth, John Nelson	1919 Ag	Rochester
Spafford, James Henderson	1918 C	Baltimore, Md.
Spangberg, Leonard Victor	1920 M	Tarrytown
Sparks, Alan	1917 Ag	Oswego
Spaulding, John Sylvester	1920 A	New York City
Spear, Robert Duroy	1919 M	New York City
Spear, Robert James	1918 A	Cleveland, O.
Speed, Christopher MacNair	1918 M	Baltimore, Md.
Spence, Thomas Reese, B.S. in C.E.	1917 C	College Station, Texas
Spencer, Charles Hart, jr.	1919 Ag	Pittsburgh, Pa.
Spencer, Elmer George	1920 Ag	Vergennes, Vt.
Spencer, George De Esterre	1919 Ag	Brooklyn
Spencer, Leland	1918 Ag	Elmira
Spencer, Vera Eugenia	1919 A	Sayre, Pa.
Spicer, Hobart McKinley	1920 M	Norwich
Spiegelberg, George Alfred	1918 A	New York City
Spielman, David Bernat	1920 L	Brooklyn
Spiller, Leroy Curtis	1920 V	South Vernon, Mass.
Spillman, Ramsay, A.B.	1917 M.D. (N.Y.C.)	Washington, D. C.
Spindler, Abraham Morris, B.A.	1918 M.D. (N.Y.C.)	New York City
Spindler, Mabel Clara	1918 Ag	Olean
Spitzer, Abraham Lewis	1920 A	Perth Amboy, N. J.
Spivak, William	1920 C	Brooklyn
Sprague, Genevieve Mina	1919 A	Memphis, Tenn.
Sprague, Geraldine Esther	1919 A	Memphis, Tenn.
Sprague, John Lane	1918 M	Minneapolis, Minn.
Sprague, Mary Marinda	1919 Ag	Roscoe
Spreckels, Charles Herman, jr.	1917 M	Brooklyn
Springsteen, Nelson John	1920 Ar	Forest Hills
Sprong, Edward Albert, jr.	1917 M	New York City
Sprong, Whyland DeLos	1920 Ag	Sodus
Sprout, Lawrence Emerson, B.Sc.	1917 M.D. (N.Y.C.)	Picture Rock, Pa.
Squires, Clarence Wilbur	1920 A	Omaha, Neb.
Srenco, Grace Elizabeth	1920 A	Rochester
Stack, Robert Ignatius	1920 A	Schenectady
Stacy, Helen Emily	1920 A	St. Regis Falls
Stacy, Stanley Consider	1918 A	Buffalo
Stacy, Thomas Ford	1917 A	Springfield, Ill.
Staebler, Karl Merner	1918 Ag	Brooklyn
Stafford, David Anderson	1917 A	Plattsburgh
Stafford, Ellis Carlton	1918 V	Cortland
Stahl, Charles	1918 A	Albany
Stahl, Gustave David	1917 M	Berlin, N. H.
Stainton, Walter Hutchinson	1919 A	Utica
Stalker, John Howard	1918 C	Montclair, N. J.
Stall, Ernest Beall, B.E.	1917 Ag	Blytheville, Ark.
Stalter, Charles Cooper	1918 L	Paterson, N. J.
Stampfer, Joseph Frederick, jr.	1917 A	Dubuque, Ia.
Stampfer, Thomas Meredith	1920 L	Dubuque, Ia.
Standish, Gerald	1919 M	Avverne
Standish, Livingston Miner	1919 M	Springville
Standish, Robert Nevin	1919 A	Edgeworth, Pa.
Stanley, Carl	1917 M	Buffalo
Stanley, James Selwyn	1920 M	Indianapolis, Ind.
Stanton, Blake M.	1919 A (Chem)	Davenport, Ia.
Stanton, Casper	1919 Ag	Norwich
Stanton, Clifford Alfred	1919 A	Cortland
Stanton, Henry Francis	1917 Ar	Grosse Ile, Mich.
Stanton, Nathaniel Brown, A.B.	1920 M.D. (N.Y.C.)	Bath

Staplin, Bayard Howe	1920 Ag	Mannsville
Starke, Ralph Gustave	1919 A	New York City
Starr, Ruth	1917 Ag	Homer
Starrett, Clara Covert	1918 A	Interlaken
Stauffer, George Maurice	1919 Ag	Elizabeth, N. J.
Steel, Ernest William	1918 C	Philadelphia, Pa.
Steele, Sidney Breed	Spec Ag	Corning
Steelman, Lloyd Wesley	1917 Ag	Newtown, O.
Steeves, Martin Everett	1920 Ag	Kenmore
Steffens, Frederick Robinson	1920 Ar	Washington, D. C.
Steffens, Herbert George	1918 Ag	Brooklyn
Stein, Myer	1917 C	Brooklyn
Stein, Samuel	1918 A	Hartford, Conn.
Steiner, Syndey Kendall	1920 A (Chem)	New York City
Steinrock, Franklin Kern	1919 M	Port Richmond
Steinsky, Hyman	1920 A	Brooklyn
Stempfle, William Secord	1919 Ag	Elmira
Stenbuck, Frederick Augustus	1917 Ag	Brooklyn
Stentiford, Clara Harriet	1920 A	Ossining
Stephenson, Guy Baker	1917 C	Ithaca
Stephenson, Hadley Carruthers	1920 V	Ogdensburg
Stern, Arthur Leo	1917 A (Chem)	Paterson, N. J.
Stern, George	1919 A (Chem)	Forestville, Conn.
Stern, Howard Eugene	1917 Ag	Philadelphia, Pa.
Stern, Max Reuben	1920 Ag	Brooklyn
Sternbach, Jacob Joel	1920 C	New York City
Sternberger, Robert Oscar	1917 M	Bloomfield, N. J.
Stevens, Donald Raymond	1920 A (Chem)	Gary, Ind.
Stevens, Gurdon Bull	1918 Ag	Granville
Stevens, Laurence Edwin	1920 Ag	El Paso, Texas
Stevens, Lillian Avis	1918 Ag	Homer
Stevens, Mary Dye	1917 Ag	Owego
Stevens, Mildred Margaret	1919 Ag	Oswego
Stevens, Robert Bentley	1918 Ag	Ithaca
Stevens, Robert William	1920 Ar	Huntington, Ind.
Stevens, William Peter	1920 Ag	Greenville
Stevenson, Howard Arthur	1919 Ag	Interlaken
Stevenson, Warren Allan	1921 M	Nelsonville
Stevenson, William Merriam	Spec Ag	Waverly
Stewart, Chauncey Judd	1919 Ag	Plainfield, N. J.
Stewart, Fred Waldorf, A.B.	Grad	Binghamton
Stewart, George, B.S.	Grad	Tooele, Utah
Stewart, Harland Hubbard	1920 M	Geneva
Stewart, Kenneth Max	1920 A	Wellsburg
Stewart, Leon Wendell	1918 M	Bainbridge
Stewart, Ralph Berry	1917 M	Pelzer, S. C.
Stewart, Roger Eaton	1918 Ag	Plainfield, N. J.
Stewart, William David	1921 M	Toledo, O.
Stibolt, Carl Beiderbecke	1919 M	Davenport, Ia.
Stickelmyer, Ellen May	1919 Ag	Troy
Stine, George Haeberle	1919 A	Niagara Falls
Stobbs, William Malcolm, A.B.	Grad	Ithaca
Stobo, Jeanette Russell, A.B.	1917 M.D. (N.Y.C.)	New York City
Stock, Leonard, jr.	1919 Ag	Brooklyn
Stockett, John Wesley, jr.	1920 A (Chem)	Washington, D. C.
Stokes, Arthur McGrath, A.B.	1919 M.D. (N.Y.C.)	Union Hill
Stokoe, Edith Elizabeth	1920 A	Scottsville
Stokoe, Hazel Irene	1917 Ag	Scottsville
Stolz, Alexander Francis	1918 C	Yonkers
Stone, Caleb	1920 C	Denver, Colo.
Stone, Edward Stanley	1917 V	Ithaca
Stone, Elmore Becker	1919 Ag	Dolgeville
Stone, Frederick Engels	1919 A	Nannet
Stone, George	1919 M	Edgemoor, Del.
Stonebraker, Donald Earl	1917 A	Memphis, Tenn.
Stork, Harvey Elmer, A.B., A.M.	Grad	Huntingburg, Ind.
Storrs, Will Carleton	1919 Ag	Madrid
Story, Irving Chellis, B.S.	Grad	Claremont, N. H.
Story, Robert Knight, jr.	1919 L	Brooklyn
Stott, Charles Albert	1919 C	Washington, D. C.
Stotz, William Forrester	1920 A (Chem)	Crafton, Pa.
Stouffer, Paul Metcalfe	1918 A (Chem)	Mercersburg, Pa.
Stout, Alice Lucetta, A.B.	Grad	Ossett
Stovall, Harry Eldridge	1920 C	Ft. Worth, Texas
Stover, Oscar Hayen	1920 A	Buffalo
Strain, Clayton Preston, B.S.	Grad	Pendleton, Ore.
Strash, Albert Theodore, jr.	1917 M	New York City
Straus, Henry Horner	1920 A	Chicago, Ill.
Strauss, John Noble	1920 M	New York City
Strobel, Robert Louis	1917 A	Buffalo

Street, Alice Juliet	1920 A	Rochester
Street, Dorothy Conger	1917 A	Brooklyn
Stricker, Paul Frederick	1917 A (Chem)	Hamilton, O.
Strock, John Duane	1920 A	Beaver Falls, Pa.
Strong, Carol Georgiana	1920 A	Turin
Strong, Frances Miriam	1920 Ag	Knoxboro
Strong, Frederic W.	1917 A	Cornwallville
Strong, Harry Merrill	1917 M	Willseyville
Strong, Howard Herkimer	1918 Ag	Sherman
Strong, James Louis	1918 M	Turin
Stroop, Frederick Gwinner	1919 Ag	Dayton, O.
Strotz, Harold Charles	1917 A	Winnetka, Ill.
Strumer, Samuel	1917 C	New York City
Stubenrauch, Walter Herman	1920 A	Hoboken, N. J.
Stuckle, William Ferdinand	1917 A	Montclair, N. J.
Stufflebeam, C. Elizabeth	1920 A	Brooklyn
Stuft, John Walter	1919 A	Boswell, Pa.
Stults, Duncan Elliott	1920 Ag	Morristown, N. J.
Stults, Herbert Milton	Grad	Brooklyn
Sturcken, Harold Eugene	1917 A	Albany
Sturrock, Alexander Pollock	1917 V	Ithaca
Sturrock, John	1918 Ag	Ithaca
Sturtevant, Julian Flad	1918 C	New York City
Stutzman, Rowe John	1920 A	Wayland
Subkow, Philip	1920 A (Chem)	So. Bethlehem, Pa.
Suiter, Vaughn Douglas	1920 M	Shamokin, Pa.
Sullivan, Eugene Bernard	1918 Ag	New York City
Sullivan, Ernest Vaughan	1919 Ag	Jordanville
Sullivan, Paul Livingston	1918 M	Winnipeg, Canada
Sullivan, Philip Laurence	1918 C	Springfield, Mass.
Sullivan, William Leo	1919 Ag	Binghamton
Sultan, Fred William, jr.	1919 M	St. Louis, Mo.
Summers, Richard Thomas	1917 A (Chem)	Ithaca
Sun, Yu Faung Russell	1920 A	Shanghai, China
Sun, Yu-Fong	1918 C	Tientsin, China
Sundel, Saul Howard	1919 L	New York City
Suntay, Angel	1919 L	Hagonoy, Bulacan, P. I.
Supplee, George Cornell, B.S., M.S.A.	Grad	Ithaca
Sutherland, Andrew Gates	1920 A	Ithaca
Sutherland, Edwin Malcolm	1919 A	Chambersburg, Pa.
Sutton, Edna Marguerite	1917 Ag	Ithaca
Sutton, Francis Marvin, jr.	1919 A	Brooklyn
Sutton, Frederick Totten	1919 A	New York City
Sutton, Glenn William	1918 Ag	Dansville
Sutton, Henry Bruner, A.B.	Grad	Albion
Sutton, John Edward, jr., A.B.	Grad	Albion
Swabey, William Curtis, A.B.	Grad	Riverside, Ill.
Swanson, Ralph Edwin	1920 Ag	Dunkirk
Swanson, Sigurd Benedict	1920 M	Bridgeport, Conn.
Swanton, William Talbot	1919 L	Youngstown, O.
Swartwout, Herbert Brinckerhoff	1920 M	Port Jervis
Swartz, Anna Mary	1918 A	Monsey
Swartz, Burton LeRoy	1918 A	Lyons Falls
Swartz, DeWitt Frank	1919 M	Findley Lake
Sweeney, Charles Thomas	1920 Ag	Rexville
Sweeney, Emmett Thomas	1920 A	Long Island City
Sweeny, Samuel Chadwick	1918 Ag	Hartsdale
Sweet, Alfred Henry, A.B., A.M.	Grad	Portland, Me.
Sweet, George Clinton, jr.	1918 Ag	Buffalo
Sweitzer, George Theodore	1920 M	St. Louis, Mo.
Swenson, Henri Jordan	1920 Ar	Pittsburgh, Pa.
Swordlove, Louis	1917 C	New York City
Swezey, Fenton Hendy	1920 A	Ripley
Swinton, Richard Holt	1919 M	Port Jervis
Swirbul, Leon	1920 M	Sag Harbor
Switzer, Virginia Watson	1918 A	Staunton, Va.
Symmes, Henry Woodruff	1921 C	Niagara Falls, Ont.
Symonds, Brandreth, jr.	1917 A	New York City
Szulpas, Hypatia Julia	1917 A	Scranton, Pa.
Sz-to, Sit Lu, A.B.	Grad	Canton, China
Szymoniak, Thaddeus	1919 Ag	Buffalo
Taber, Carlotta Lowell, B.A.	Grad	Worcester, Mass.
Taft, Lyman Herbert, jr.	1918 Ag	Montgomery
Tai, Fang-lan	1918 Ag	Shasi, China
Tallaferro, Albert Pendleton, jr.	1920 Ag	New York City
Tallman, Frank Gifford, jr.	1917 M	Wilmington, Del.
Tallman, Nellie Grace	1919 A	Mt. Morris
deTamble, Paul Allen	1918 Ag	Edgewater, N. J.
Tan, Vidal Arcos, B.A.	Grad	Manila, P. I.

Tang, Min Kao	1918 M	Chuen, China
Tang, Yueh	1918 A	Luscar, Foochow, China
Tanner, Carl William	1919 Ar	Elmira
Tanner, Donald Phipps	1918 Ag	Peckville, Pa.
Tanner, Herbert Giles, B.S., M.S.	Grad	St. Louis, Mo.
Tapke, Victor Ferdinand, B.Sc. in Ag.	Grad	Cincinnati, O.
Tapley, Fred Jowett	1919 Ag	Haverhill, Mass.
Taplow, Samuel Bernard	1918 Ag	Brooklyn
Tapscott, Kenneth Arthur, B.S.	Grad	Brooklyn
Tarchini, Guido	1919 M	Stgo del Estero, Argentine
Tarley, Benjamin Fabius	1918 Ag.	Brooklyn
Tarr, Albert Jacob	1918 V	Waterloo
Tarris, Venia Laota	1920 Ag	Ithaca
Taub, Joel	1920 A (Chem)	Newark, N. J.
Tavares, Gustavo Antonio	1919 Ag	Santiago, Dominican Republic
Tavares, John Thomas	1918 C	New York City
Taylor, Alfred Leslie	1919 A	Varna
Taylor, Clayton, Charles jr.	1920 Ag	Lawtons
Taylor, Edward Winthrop	1919 Ag	Chicago Ill.
Taylor, Eustace Lowell	1920 M	Greenwich, Conn.
Taylor, Frank Halbert	1920 Ag	Berlin
Taylor, Frank Jordan	1920 Ar	Sharon, Pa.
Taylor, Garrett Amos	1918 M	Wilmington, Del.
Taylor, Gilbert Morris, B.S.	Grad	St. Paul, Minn.
Taylor, Harry Stanley	1919 L	Waterford, Pa.
Taylor, John Laning	1919 L	Owego
Taylor, Kenneth Hutchinson	1920 Ar	So. Norwalk, Conn.
Taylor, Ralph Corbin	1917 M	Roland Park, Md.
Taylor, Richard Hardy	1920 Ag	Watertown
Taylor, Robert Potter Aiken	1918 M	Philadelphia, Pa.
Taylor, Wilberforce	1918 A	Hubbard Woods, Ill.
Tears, Claude Frederick	1917 A (Chem)	Starlake
Teas, Livingston Pierson, B.S.	Grad	Philadelphia, Pa.
Tech, Joseph	1919 Ag	Brooklyn
Teeter, Lowell Homer	1918 L	Canton, Pa.
Teeter, Sidney Monroe, jr.	1920 A	New York City
Teitler, Jacob	1920 Ag	New York City
Teixeira, Wicar Goes	1919 Ag	Para, Brazil
Ten Eick, Charles Watson	1920 Ag	New York City
Tennygold, Kopple	1920 M	Saratoga Springs
Ter Bush, Emery Boyce	1919 Ag	Greenfield
Terry, John Stuart	1920 Ag	Buffalo
Terry, Leland Wixon	1920 Ag	Ithaca
Theard, Stephen Anderson	1917 C	New Orleans, La.
Therkelson, William	1917 Ag	Perth Amboy, N. J.
Theye, Charles Manuel	1919 M	Havana, Cuba
Thilly, Gertrude	1917 A	Ithaca
Thilly, Margaret	1920 A	Ithaca
Thomas, Albert Edward	1919 Ag	Corbettsville
Thomas, Cecil Calvert, A.B., A.M.	Grad	Ithaca
Thomas, Charles Louis, jr.	1918 A	Cincinnati, O.
Thomas, Charles Sparks	1919 Ag	Los Angeles, Cal.
Thomas, Cora Belle	1920 A	Utica
Thomas, Edwin Hewes	1918 A (Chem)	Wilmington, Del.
Thomas, Harold Clyde	1917 Ag	Emporium, Pa.
Thomas, John Cooper	1918 M	Bramwell W. V.
Thomas, Joseph Albert	1918 C	Lebanon, Pa.
Thomas, Robert White	1919 Ag	Rochester
Thompson, Charles Anthony	1917 Ag	Greenwich
Thompson, Chester Noyes, B.A.	Grad	Highland, Cal.
Thompson, Frederick William	1919 Ag	Brooklyn
Thompson, George Russell	1917 C	Long Island City
Thompson, Hugh Lincoln	1919 M	Kansas City, Mo.
Thompson, John Graham, B.Chem.	Grad	Eau Claire, Wis.
Thompson, Kenneth Ralph	1920 A	Montrose
Thompson, Ralph Shultz	1918 Ag	Spring Coulee, Alberta, Can.
Thompson, Richard Nelson	1919 A	Fall River, Mass.
Thompson, Richard Yoder, A.B.	1918 M.D. N.Y.C.)	West Point, Neb.
Thompson, Sawyer	1919 A	Brooklyn
Thompson, Sidney Paul	1918 Ar	Ithaca
Thompson, William Delmore	1918 M	New York City
Thomson, John Herndon	1917 Ar	Union, S. C.
Thomson, Marion Esther	Spec Ag	Delhi
Thomson, Walter Dewitt, jr.	1919 Ag	Rutherford, N. J.
Thornton, Thomas	1918 L	Ellenville
Thorp, Katharine	1919 A	West Roxbury, Mass.
Thrasher, Herbert Maxwell	1919 M	Norfolk, Va.
Thropp, May Ashmore	1920 A	Trenton, N. J.
Tibbitts, Carl Herbert	1920 A	Watkins
Tibbott, Edward Winship	1919 Ag	Ithaca

Tiebout, Helen	1917 A	Brooklyn
Tiffany, Byram Carroll	1920 Ag	Washington, D. C.
Tiffany, Earl Bristol	1920 Ag	Lockport
Tilley, Clarence	1917 V	Upperville
Tilley, Lloyd Henry	1919 M	Buffalo
Tilley, Norman Nevil, M.E.	Grad	Ithaca
Tillotson, Edwin Haight	1917 C	Detroit, Mich.
Tillotson, Magna Charta	1917 Ag	Jamestown
Tilson, Howard Ferguson	1917 Ag	Texarkana, Texas
Timmerman, Arthur Pearson	1917 M	St. Louis, Mo.
Timmerman, John Paul	1919 A	Lima, O.
Ting, Quan	1917 M	Shanghai, China
Tingley, Abbie Stuart	1919 Ag	Washington, D. C.
Tinkham, Norman Richard Murdock	1918 Ar	Jamestown
Tinnerholm, Arthur Rudolf	1918 Ag	Schenectady
Tisdale, Homer Bernard, B.S., M.S.	Grad	Evergreen, Ala.
Tisdale, James William	1920 M	Annapolis, Md.
Titchener, Walter Edmund	1917 M	Cortland
Titsink, Harry Alfred	Spec Ag	Brooklyn
Tobey, Clinton Russell	1918 M	Walton
Tobey, Edward Sprague	1919 Ag	New York City
Todd, Kirkland Wiley	1919 C	Wilkesburg, Pa.
Toll, Karel Haeusen	1919 A (Chem)	Passaic, N. J.
Tomlines, Thomas Fred'k Illingworth	1917 M	Watertown
Tomlinson, William Wallace	1919 Ag	Lockport
Tompkins, Helene Marie	1917 Ag	Newfield
Tompkins, Stanley Armstrong	1919 Ag	Rochester
Tompkins, Wendell Dransfield	1920 M	Rochester
Tooley, Roderick White	Spec Ag	Stamford
Topkins, Eva	1920 A	Califon, N. J.
Topkis, Bernard Henry	1919 Ag	Wilmington, Del.
Topp, Howard Alfred	1917 Ar	Pittsburgh, Pa.
Torbet, Hazel Augusta	1918 Ag	Interlaken
Torre, Andrew Joseph, B.A.	1920 M.D. (N.Y.C.)	Brooklyn
Torre, Joseph Bernard, A.B.	1920 M.D. (N.Y.C.)	Brooklyn
Torres, Marino	1920 L	East Orange, N. J.
Torroella, Juan Rooney	1919 C	Havana, Cuba
Tortora, Angelo Joseph	1920 Ag	New York City
Toussaint, Richard Philip	1919 M	New York City
Toureau, Lester Charles	1918 C	Ithaca
Towell, Vincent William	1920 V	Rushford
Townsend, Alfred Sears	1917 Ag	Trumansburg
Townsend, Clarence Ellsworth, M.E.	1918 Ag	Ithaca
Townsend, Emma Natalie	1919 A	New Brighton
Townsend, Jay Griffith	1918 V	Racine, Wis.
Townsend, Leslie Bower	1920 A	Ithaca
Townsend, Prescott Winson, A.B.	Grad	Middletown
Townsend, Theodore Horton	Grad	Elmira
Trask, James Dowling, jr., Ph.B.	1917 M.D. (N.Y.C.)	Highlands, N. J.
Traver, (Miss) Jay R.	1918 A	Willoughby, O.
Travis, Reed Pelton	1920 Ag	East Stroudsburg, Pa.
Traxel, Emma Jane, B.S.	Grad	Rome
Tree, Russell Thomas	1917 M	Ithaca
Tregurtha, James David	1918 Ag	Schenectady
Tresselt, Frederick	1919 Ag	New York City
Tressler, Donald Kiteley, A.B.	Grad	Montpelier, O.
Tressler, Katharina Marjorie	1918 A	Montpelier, O.
Tressler, Maurice Shearer	1920 Ag	Montpelier, O.
Trethaway, Joseph David	1919 M	Wilkes-Barre, Pa.
Trethaway, William, jr.	1920 M	Wilkes-Barre, Pa.
Tripp, Lynn Howard	1918 V	Plattsburg
Tritschler, Morris William	1920 V	Cincinnati, O.
Trousdale, Theodore McKee	1920 V	Ithaca
Trowbridge, Alexander Buel, jr.	1920 A	Flushing
Trowbridge, Sherman	1919 A	Flushing
Truax, Crofton Fox	1920 Ag	Ithaca
True, Ellwood Landis	1920 Ag	Adams Basin
Trumbull, Arthur Ray	1919 Ar	Keene Valley
Truthan, Edwin Julius	1919 Ar	Cleveland, O.
Tsang, Kwong Chi	1917 M	Canton, China
Tucker, Charles Ketchum	1920 Ag	Brooklyn
Tucker, Talmage Thomas, B.S., A.M.	1917 V	Hallsville, Mo.
Tufts, William Felt	1918 M	Boston, Mass.
Tuma, Vladimir Anthony	1920 Ag	New York City
Tunncliffe, John Clarence, jr.	1917 C	Moline, Ill.
Turnbull, Kenneth Hamilton	1920 L	Brooklyn
Turnbull, Thomas, 3d	1918 A	Pittsburgh, Pa.
Turner, Louis Alexander	1919 A	Akron, O.
Turner, Mark Nathan	1919 A	Sodus
Turner, Richard Harold	1920 M	Falconer

Tustin, Robert Thomas, jr.	1920 C	Hailey, Idaho
Tutchings, Harvey Inkpen	1918 L	Johnstown
Tuttle, Arthur Lemuel, jr.	1920 Ag	Copperhill, Tenn.
Tutte, Elbert Parr	1918 A	Honolulu, Hawaii
Tuttle, Eudora Farnham	1917 Ag	Eastport
Tuttle, Malcolm Harley	1918 M	Honolulu, Hawaii
Tuttle, Spencer C.	1921 M	Buchanan
Tuttle, William Sylvester	Spec M	Bridgeport, Conn.
Twitchell, William Lee	1919 Ag	North Collins
Tyler, Leland Corey	1920 Ag	Cohocton
Tyler, Walter Arnold	1919 M	Brooklyn
Pyndall, Edward Philip Theodore, B.A.	Grad	Richmond, Va.
Uhler, Jack Ruben	Spec A	Tatamy, Pa.
Uhlmann, Richard Frederick	1919 A	Chicago, Ill.
Ullman, David Louis	1917 A	Buffalo
Ulloa, M. Jose Ralph	1920 M	Salvador, C. A.
Underwood, Charles Thomas	1920 A (Chem)	Summit, N. J.
Underwood, Francis Omar	1919 Ag	Buffalo
Undritz, Frederick Reinhold Martin	1920 Ag	New York City
Upstill, Edgar Daye	1919 M	Cleveland, O.
Upton, Glenn Edward	1919 Ag	Pulaaki
Uriarte, Edwardo	1920 M	B. Aires, Argentine
Urner, Gordon	1918 A	Fanwood, N. J.
Vail, Donald Bain	1917 A	Ridgewood, N. J.
Vail, Eileen Bain	1920 A	Ridgewood, N. J.
Vail, William Carlyle	1920 Ag	Branchport
Valade, Ernest Augustus	1917 M	Burlington, Vt.
Valderrama, Mariano Alfredo	1918 C	Ithaca
Valensi, Edward	1920 Ag	New York City
Valentine, Alastair Ian Grant	1918 A	Chicago, Ill.
Van Aernem, Harold Nicholas	1920 A (Chem)	Ballston Spa
Van Allen, George Raymond	1918 A	Rensselaer
Van Arnem, Philip Everest	1919 A	Redlands, Cal.
Van Arsdale, Frances	1920 Ag	Alden
Van Atta, Ronald Campbell	1918 L	Waverly
Van Brunt, Virginia	1917 A	Brooklyn
Van Camp, Paul Milton	1919 C	Fine View
Van Campen, James King, jr.	1917 C	Olean
Vance, Edward Hammond, B.S.	Grad	Worcester, Mass.
Vance, Ledcreich Stuart	1921 M	Louisville, Ky.
Van Cleef, Lawrence William	1920 Ag	Seneca Falls
Van de Boe, Louis Bristol	1920 Ag	Claverack
Vanderbilt, William Stephen, jr.	1917 Ag	Greenville
Vander Voort, Vincent	1920 M	Paterson, N. J.
Van Doren, Jesse T.	1919 Ag	Three Mile Bay
Van Dusen, Frederick Clair	1917 Ar	Southhold
Van Dusen, Leslie Barden	1917 Ag	New York City
Van Duzee, Edward Heath	1920 A (Chem)	Hamburg
Van Horn, Ralph Chapman	1918 Ag	Elmira
Van Horn, Theodora	1920 A	Towanda, Pa.
Van Horson, Jessica Helen	1918 A	Mount Vernon
Van Natta, Manda	1917 Ag	Ithaca
Van Ness, Helene Geertru	1919 A	Greenwich
Van Nuy, Ellen Margaret	1919 Ag	Somerville, N. J.
Van Scoy, Alice Cornelia	1917 Ag	Candor
Van Sweringen, Raymond Adams	1920 M	Cleveland, O.
Van Valkenburg, Kenneth Hastings	1920 M	Richmond Hill
Van Valkenburg, Paul Iretus	1920 C	Richmond Hill
Van Volkenberg, Horatio Luther	1918 V	Springville
Van Wagenen, Amy Elizabeth	1918 Ag	Kingston
Van Wagenen, John Dubois	1919 Ag	Kingston
Van Wagenen, Loraine McNeill	1920 Ag	Lawyersville
Van Wagenen, Sarah Lamont	1920 Ag	Lawyersville
Van Wagenen, William Perrine	1918 A	Worcester
Van Winkle, Allen Foster	1917 Ag	Brooklyn
Varley, James Richard	1920 V	Greenwich
Varona, Michael Chinchilla	1920 M	Havana, Cuba
Vasa, Alonso Frederick, B.S., M.S.	Grad	Ithaca
Vastine, Jacob Hursh	1918 M	Catawissa, Pa.
Vedder, Lansing S.	1920 Ag	Schenectady
Vehmeyer, Henry Lincoln	1921 C	Chicago, Ill.
Veith, Frank	1920 A	New York City
Velley, Raymond DeWitt	1920 M	Grantwood, N.J.
Vennan, Raymond Everett	1920 A	Frewsburg
Verwiebe, Frank Louis	1919 A	Buffalo
Vettel, Henry	1920 Ag	New York City
Vlase, Eugene John	1918 A (Chem)	Lexington, Mass.
Vickers, John Harold	1917 M	Chicago, Ill.

Vigert, Vilma	1919 Ag	New York City
Vinton, Frances Eliza, B.A.	Grad	Bedford
Vischer, Peter	1919 A	Brooklyn
Vivoni, William	1920 M	San German, Porto Rico
Vogel, Bernard Walton	1920 L	Woodbridge, N. J.
Vogel, Hugo Corte Real	1920 A	Milwaukee, Wis.
Vogel, William Edmund	1919 L	Goshen
Voisinet, Walter Eugene	1920	Buffalo
Volkhardt, Aquila Nebeker	1919 M	Stapleton
Vollrath, Jean Carl	1917 M	Sheboygan, Wis.
Volz, Emil Conrad, B.S.	Grad M	Saginaw, Mich.
Van Oehsen, William Henry	1919	New York City
Von Wening, Anthony	1918 A	Brooklyn
Voorhees, Isaac Newton	1917 Ag	Amsterdam
Voorhees, James Veghte	1919 Ag	New York City
Vroome, Albert Edgar..	1920 A (Chem)	Caldwell, N. J.
Waag, Herman Benoit	1917 M	New York City
Wackman, Clarence Frederick	1918 A (Chem)	St. Louis, Mo.
Wade, Frank Edward	1920 Ag	Richmond Hill
Wadleton, John	1921 M	Hartsdale
Wadsworth, Frank, jr.	1919 A	Newark, N. J.
Wadsworth, James Raymond	1920 A	Hastin N. J.
Wadsworth, Leota Ada	1919 Ag	Dayton, O.
Wadsworth, Ruth Flanigan, A.B., M.A.	1919 M.D. (N.Y.C.)	New York City
Wagman, John Potter	1917 A	Saratoga Springs
Wagner, David	1919 Ag	Washington, D.C.
Wagner, Thomas Rowan	1918 Ag	Philadelphia, Pa.
Wagner, Vernon Wils	1920 Ag	Brooklyn
Wait, Justin Federal, M.E.	Grad	New York City
Waite, Edward Ragsdale	1920 L	New York City
Waite, Mrs. Joseph	1917 A	Ithaca
Waite, Louise Alberta	1920 A	Fort Ann
Wakeley, Morton	1918 A	Omaha, Neb.
Wakeley, Thompson Morris	1920 A	Omaha, Neb.
Walbran, Nicholas Arthur	1918 C	Oriskany
Walbridge, Helen Isabel, A.B.	1918 M.D. (N.Y.C.)	New York City
Waldbauer, Louis Julius	1917 A (Chem)	St. Louis, Mo.
Waldo, Reginald	1919 C	Campbell Hall
Waldron, William Robert	1917 A	New Germantown, N. J.
Walker, Alva Stone	1920 M	Greenwich, Conn.
Walker, Carl Henry	1917 C	Baltimore, Md.
Walker, John Howard	1920 M	Philadelphia, Pa.
Walker, Lewis Edgar	1917 Ag	Waverly
Walker, Norton Wells	1919 Ag	Byron
Walker, William Allen	1920 A	Byron
Walker, Witcher Raymond	1921 M	Salt Lake City, Utah
Walkley, Fred Rosman	1917 Ag	LeRoy
Wall, William Arthur	1919 Ag	Savona
Wallace, Aaron Van Duzen, jr	1920 C	Goshen
Wallace, Bessie May	1917 A	Middletown
Wallace, William Earl	1920 M	Whitewright, Tex.
Wallach, Kaufman, A.B.	1917 M.D. (N.Y.C.)	New York City
Wallenfels, Hugo	1919 A	Prague, Bohemia
Waller, Owen Meredith, jr.	1918 V	Brooklyn
Waller, Ray Benson Potter	1917 V	Ithaca
Walrath, Frank Duesler	1920 Ag	St. Johnsville
Walrath, Frank Josiah	1919 Ag	Amsterdam
Walsh, John Loughran	1918 Ag	Brooklyn
Walsh, William Earl	1920 A	Westfield, N.J.
Walter, Carl Francis	1917 Ag	Scranton, Pa.
Walworth, Chester Alexander	1920 A (Chem)	New Rochelle
Walz, Adolph Raymond	1919 A	Brooklyn
Walzer, Matthew, A.B.	1919 M.D. (N.Y.C.)	Brooklyn
Wand, Madeleine Rose	1920 Ag	Owego
Wangler, Herman Ernest	1918 V	Liverpool
Wann, Frank Burkett, A.B.	Grad	Warsaw, Ind.
Wanser, Paul	1918 M	Ithaca
Ward, Alfred Whitaker	1917 A	Cleveland, O.
Ward, Charles Paul	1917 A	Candor
Ward, Emily Evelyn	1918 A	Dolgeville
Ward, Earnest Harold	1918 M	Morristown, N. J.
Ward, Stanley Mortimore	1918 Ar	Newark, N. J.
Warden, Robert Bruce	1919 Ar	Washington, D. C.
Wardenburg, Harry George	1919 M	Brooklyn
Wardwell, Russell Arthur	1920 L	Union Springs
Warn, Paul Lorena	1917 Ag	Little York
Warne, Celia Jeanette	1920 A	Ithaca
Warne, Clyde Arlington	1919 A Chem	Ithaca
Warne, Colston Estey	1920 A	Ithaca

Warner, Alan Dean	1918 A	Dunkirk
Warner, Charles Albert	1917 A	Ithaca
Warner, Elbridge Stephen	1917 Ag	Unionville, O.
Warner, Hollis Victor	1918 Ag	Aquebogue
Warner, Jeanette	1918 Ag	Wellington, O.
Warner, Luther Christopher	1918 Ag	Altamont
Warner, Sidney Sardus	1918 Ag	Wellington, O.
Warren, Edith	1920 A	Castile
Warren, Eugenie	Spec A	Coscob, Conn.
Warren, Harrington Lewis, jr.	1919 Ag	New York City
Warren, Philip Van Cortland	1920 Ag	Croton-on-Hudson
Warren, Richard Gunton	1918 M	W. Newton, Mass.
Warren, William Dwight	1918 Ag	Elmira
Warshaw, David, A.B.	1919 M.D. (N.Y.C.)	Albany
Warshow, Herman, A.B.	Grad	New York City
Washburn, Elliott Rhodes	1920 Ag	Hudson
Washburn, Frank Sherman, jr.	1920 Ag	Rye
Wasserman, Max Judd	1918 A	St. Louis, Mo.
Wasson, Roy John	1918 A	Camden
Waterbury, Lawrence Stuart	1919 C	Newark, N. J.
Waterman, George Willis, Ph.B.	1919 M.D. (N.Y.C.)	Providence, R. I.
Waters, Helen Louise	1918 A	Troy
Watkins, Edwin Hoffman	1917 M	Baltimore, Md.
Watkins, Frederic Moore	1919 M	Ithaca
Watkins, Myron James	Spec Ag	Hudson Falls
Watkins, Myron Webster, A.B.	Grad	Milford, Mich.
Watson, James Lewis, B.S.	1917 M	Vancouver, Wash.
Watson, Mary	1920 A	Pittston, Pa.
Watt, Edgar Raymond	1919 M	Ithaca
Watt, John Murker	1919 Ag	Honolulu, Hawaii
Watt, Roland McKinley	1917 M	Chicago, Ill.
Watters, Hyla Stowell, A.B.	Grad	Atlanta, Ga.
Watters, Richard John, jr.	1920 M	Buffalo
Waxham, Raymond Lee	Spec Ag	Forestville
Way, Walter Denslow	1917 V	Andover, Conn.
Weaver, Harry	1918 A	Amsterdam
Weaver, Herbert Rolland	1918 Ar	Utica
Weaver, Leland Eugene	1918 Ag	Findley Lake
Webber, Eugene, B.S.	Grad	Riverside, Cal.
Webber, Fern Ellen	1917 Ag	Riverside, Cal.
Weber, Arthur August	1920 Ar	Mt. Clemens, Mich.
Weber, August Augustus	1920 Ag	Mamaroneck
Weber, Jacob Herbert	1919 A	Brooklyn
Weber, Morris Kreitzer	1921 M	Bartlesville, Okla.
Weber, Richard	1919 C	Camillus
Weber, Wilfrid	1920 A (Chem)	New York City
Webster, Lois Irene	1920 Ag	Stanley
Webster, Morton Stonehill	1919 A	Lawrence
Webster, William Lewis	1919 Ag	E. Aurora
Weckstein, Isidore	1918 A (Chem)	Brooklyn
Wedlake, William Jacob	1917 Ag	Mt. Vernon
Weeden, Willis Morris, A.B.	1919 M.D. (N.Y.C.)	Frankfort
Weeks, Edward Augustus, jr.	1920 M	Elizabeth, N. J.
Weeks, Frederick Albert	1919 Ag	Ithaca
Weeks, Paul Thorne, A.B.	Grad	Kipton, O.
Wegner, Fritz William	1921 C	Frankfort
Weiant, Warren Swift, jr.	1920 Ag	Newark, O.
Weidt, William Christian Joachim	1920 Ag	Mount Kisco
Weigel, William Harold, jr.	1918 Ag	Butler, Pa.
Weigt, John William	1918 M	Flushing
Weil, Edward	1920 M	Brooklyn
Weil, Edward Sidney	1920 A	Chicago, Ill.
Weil, Lester Isaac	1917 Ag	Buffalo
Weil, Renee	1920 A	Brooklyn
Weillepp, Thomas Greacen	1918 M	Ithaca
Weimar, Matthew William	1917 L	Buffalo
Weinberg, Leo Lester	1920 A	Harrison, N. J.
Weinberg, Michael Binder	1921 M	Norristown, Pa.
Weindling, Ludwig	1918 C	Brooklyn
Weinert, Fred Charles	1918 A	Dunkirk
Weingast, Joseph	1920 A (Chem)	New York City
Weinheimer, Claude Miller	1920 M	N. Tonawanda
Weinstein, Abraham Edward	1918 Ag	New York City
Weinstein, Harold Long	1918 Ag	Dundee
Weinstein, William	1918 Ag	New York City
Weir, Robert Hamilton	1920 C	Stamford, Conn.
Weis, George William	1921 M	Wilkes-Barre, Pa.
Weisberg, Lou Morris	1920 Ag	New York City
Weiskopf, Lawrence	1918 Ar	Cleveland, O.

Weisman, Louis Goldman	1917 V	Brooklyn
Weiss, Carl Otto	1920 V	North Pelham
Weiss, Harold Turreff	1919 M	Cleveland, O.
Weiss, Max	1917 Ag 1918V	New York City
Weiss, Simon	1920 Ag	Monticello
Welch, Allen Landon	1920 C	Battle Creek, Mich.
Welch, James Joseph	1919 L	Saratoga Springs
Welch, Vimont Carpenter	1918 M	Lakewood, N. J.
Welch, William Miller, 2d	1920 M	Yardley, Pa.
Weller, Douglass McEldery	1920 M	Nashotah, Wis.
Weller, Walter, A.B.	1918 M.D. (N.Y.C.)	Hoboken, N. J.
Welles, Colin Gilchrist	1918 Ag	Schenectady
Welles, John Weaver	1918 A	Kingston, Pa.
Wellman, Harrison Wilbur	1919 M	Denver, Colo.
Wells, Guy Hemiup	1919 L	Dayton, O.
Wells, Guy William, Ph.B.	1920 M.D. (N.Y.C.)	New York City
Wells, Joseph Julius, A.B.	1918 M.D. (N.Y.C.)	Ithaca
Wells, Lawrence Raymond	1921 C	Schuylerville
Wells, Nelson Miller	1918 Ag	Baldwinsville
Wells, Robert Forbes	1917 A	Hallstead, Pa.
Welsh, Francis Joseph	1920 L	Southfields
Wentz, Alfred Joseph	1917 L	Wilkes-Barre, Pa.
Wenz, Louis Ezra	1918 Ag	New York City
Werther, Rose Marion	1919 A	Elmhurst
West, Arthur Matthew	1921 M	Rhinebeck
West, Frances Georgia	1918 Ag	Rochester
West, John Byron	Spec Ag	Glens Falls
West, Ralph George	1919 M	Newark
West, Stephen Crane	1920 L	Brooklyn
Westervelt, Louise Ruth	Spec Ag	Ithaca
Westheimer, James Russell	1917 A	Americus, Ga.
Westing, Ralph Sutherland	1918 Ar	Atlantic City, N. J.
Westphal, Milton Christian John	1918 A	Buffalo
de Wet, Charl Louis Roux, B.S.	Grad	Cape Town, Union of S. Africa
Wetz, John Walter, jr.	1917 Ag	Trumansburg
Wheeler, Coleman Hawley, jr.	1921 C	Portland, Ore.
Wheeler, Fred Eugene	1919 Ag	No. Bangor
Wheeler, Ward Alford	1918 A	Delhi
Wheeler, William Johnston	1917 M	Elmhurst
Whiston, Howard Clark	1918 M	East Orange, N. J.
Whitaker, Henry Dowley	1919 A	Cincinnati, O.
Whitcomb, Howard Marvin	1919 Ag	Nichols
White, Anna Laura	1919 A	Walton
White, DeGray	1917 M	Butler, N. J.
White, Dorothy Allison	1917 A	Philadelphia, Pa.
White, Edgar Greaves	1918 M	Syracuse
White, Florence Elizabeth	1920 Ag	Yorktown
White, Floyd Henry	1917 V	Rhinebeck
White, George Fitch	1918 A	Walton
White, Howard Adams	1919 A	Buffalo
White, Marion Langworthy	1918 A	Ithaca
White, Robert Morris	1917 M	Ithaca
White, Ward Benjamin, A.B.	Grad	Preston Hollow
White, William Charles	1918 C	New Rochelle
White, William Edward	1920 Ag	New York City
Whitcotton, J. Arthur	1918 L	Provo, Utah
Whitehead, Marcus Augustus	1920 L	Elizabeth, N. J.
Whitehead, Thomas Cram	1917 A	Detroit, Mich.
Whitehill, Alfred Aloyious	1920 Ag	Brooklyn
Whiting, Edward Tiffany	1917 A (Chem)	Summit, N. J.
Whitman, James Spaulding	1918 Ar	Canton, Pa.
Whitman, Samuel Corbin	1919 A	Afton
Whitmore, Matthew Franklin	1918 V	Addison
Whitney, Andrew Jackson	1918 C	Wilmington, Del.
Whitney, Cass Ward, B.S.	Grad	Ithaca
Whitney, John Randall	1917 A	Sewickley, Pa.
Whittaker, Harold Arthur	1920 C	Windsor, Ont.
Whittemore, Arthur Snow	1920 M	New York City
Whittingham, William Rollinson, 3d	1919 Ag	Millburn, N. J.
Whyte, Keith Carrick	1920 M	Anaconda, Mont.
Wichelns, Helen Pauline	1920 A	Brooklyn
Wichelns, Herbert August, B.A.	Grad	Brooklyn
Wicker, Mildred Marie	1919 A	Livonia
Wickerman, Howard Lawrence	1919 Ar	Homestead, Pa.
Wickham, Marvin Woodley	1919 M	Poughkeepsie
Wicks, James Monroe	Spec M.D. (N.Y.C.)	Jamaica
Wicks, John Doane	1919 M	Syracuse
Widney, Harold Hurd	1919 Ag	Denver, Colo.
Widrig, Francis Smith	1920 Ag	Mannsville
Wiebenson, Walter Edward	1919 M	Cleveland, O.

Wiedorn, William	1920 Ag	Waterbury, Conn.
Wiegert, Peter Andrew	1920 Ag	New York City
Wigdor, Meyer, B.S.	Grad	New York City
Wiggins, Dean Cushing	1919 A	Starlight, Pa.
Wiggins, Inez Louise, A.B., A.M.	Grad	Ithaca
Wigglesworth, Albert Gifford	1919 M	Wilmette, Ill.
Wight, Stanley Griswold	1920 M	New York City
Wightman, Gordon Ellwood	1917 A (Chem)	Ithaca
Wigsten, John	1917 Ag	Elmira
Wilbur, Francis Cressy	1918 Ag	Albany
Wilcox, Helen Wanda	1920 A	Elmhurst
Wilde, Byder Wellington, jr.	1917 A	Hazleton, Pa.
Wilds, George James, B.A.	Grad	Ridgeway, S. C.
Wilford, Edward James	1917 Ag	Ithaca
Wilkinson, Marshall Fiske	1917 V	Clinton
Wilkinson, Raymond James	1920 V	Ithaca
Willard, Neil Matthew	1920 M	Buffalo
Willcox, Bertram Francis	1917 A	Ithaca
Willcox, Hubert Arthur	1917 Ar	Kasota, Minn.
Wille, Charles	1917 Ag	New York City
Willgerodt, Tillie Margarete	1920 A (Chem)	Montclair, N. J.
Williams, Charles Francis	1917 M	Washington, D. C.
Williams, Ernest Arthur	1918 A	Douglas, Ariz.
Williams, Gerald Crofoot	1920 C	Turin
Williams, Harold Willson	1918 M	Washington, D. C.
Williams, John Davidson, M.D.	Spec M.D. (N.Y.C.)	Cattlesburg, Ky.
Williams, Paul Alfred	1917 M	Plymouth, Pa.
Williams, Paul Deming, A.B.	Grad	LaGrange, Ill.
Williams, Ruth	1918 A	Denison, Texas.
Williams, Victor Jackson	1921 M	Bolivar
Williamson, Frederick Vorhees	1919 M	Brooklyn
Willingmyre, Eleanor Ross	1920 Ag	Middleport
Willis, Elias Root Beadle, A.B., A.M.	Grad	Ithaca
Willis, Geraldine Margaret	1917 A	Ithaca
Willis, Ned Theodore	1919 Ag	Ithaca
Willis, Paul Truitt	1918 A	Niagara Falls
Willsey, Warren Gilbert	1918 L	Cortland
Willson, Robert Bellows	1917 Ag	New York City
Wilmington, John Doane	1918 A	Toledo, O.
Wilsey, Lillian Margaret	1920 Ag	St. Johnsville
Wilson, Benjamin Dunbar, B.S., M.S.	Grad	Lexington, Ky.
Wilson, Birton Neill, B.Sc., M.E.,	Grad	Payetteville, Ark.
Wilson, Donald Bower	1919 Ag	Chrome, N. J.
Wilson, Jacob	1919 A	Brooklyn
Wilson, James Bentley	1919 Ag	Buffalo
Wilson, J. Bert	Spec A	Ithaca
Wilson, James Edward	1919 Ag	Patchogue
Wilson, Maurice Leigh	1920 M	Ithaca
Wilson, Percy Snyder	1920 C	Glen Ridge, N. J.
Wilson, Samuel	1917 A (Chem)	Brooklyn
Wilson, Stewart Collins	1917 M	Indianapolis, Ind.
Winchell, Paul Albert	1917 Ag	Mt. Vernon
Wincor, Abraham	1920 A	New York City
Windnagle, Dewey Fenton	1921 M	Penn Yan
Windnagle, Linus Vere	1917 Ag	Ithaca
Winestone, Frederica A.B.	1920 M.D.	Waterbury, Conn.
Winn, Carl Preston	1918 Ag	Brooklyn
Winne, Calvin Dixon	1920 A	Kingston
Winship, Arthur Wilson	1918 C	Plattsburg
Winter, George E., M.D.	Spec M.D. (N.Y.C.)	Jackson, Mich.
Winter, James Henry	1920 A	Greene
Wintringham, Andrews Clement	1919 A (Chem)	Millbrook
Wiperman, Walter Kendall	1919 A	Logansport, Ind.
Wisnisky, Harry	1919 A	New York City
Wise, Paul	Spec Ag	Harmony, Penn.
Wiser, Guy Brown	1917 Ar	South Bend, Ind.
Wissner, William Dorr	1918 A	Ransomville
Wistrich, Harry	1918 C	New York City
Witherspoon, Clyde Finley	1919 Ag	Dansville, Ill.
Witkop, John Charles	1920 Ag	Buffalo
Witt, Leon Richmond	1917 Ag	Brooklyn
Wittowsky, Christian A. P., jr.	Spec Ag	N. Tonawanda
Wittwer, Norman Carl	1918 C	Buffalo
Witzel, Joseph Alfred	1920 Ag	College Point
Wizom, Clinton Wood	1919 C	Trumansburg
Woepel, Oswald Joseph	1919 M	Corning
Wohlwend, William Charles	1920 M	Akron, O.
Welcott, Margaret Cantine	1917 A	Newark Valley
Welcott, Raymond	1917 Ar	Ithaca
Wolf, Harold George	1920 Ag	Varysburg

Wolf, Harry Augustus	1919 M	Chambersburg, Pa.
Wolf, John George	1919 Ag	Varysburg
Wolf, Raymond Joseph	1917 A	Dansville
Wolfe, Clayton Adrian	1918 M	Newark
Wolfe, Florence Lora Olga	1919 A	Canastota
Wolfe, Joseph Alfred Lewis, M.D.	Spec M.D. (N. Y. C.)	Van Alstyne, Tex.
Wolfe, Joseph Ernest	1920 A	Ithaca
Wolkertz, Edward	1920 M	Newark, N. J.
Wolff, Anita	1920 A	Stapleton
Wolford, Clayton Chester	1917 L	Ithaca
Wolkind, Samuel	1920 C	Buffalo
Wolodarsky, Emil Valentine	1918 A	Brooklyn
Wong, Harold Hung-En	1917 C	Tientsin, China
Wong, Kam Yuen	1919 M	Hong Kong, China
Wood, Alfred Roland	1919 C	Princes Bay
Wood, Cedric Willits	1920 M	Buffalo
Wood, Everitt	1920 M	Brooklyn
Wood, Franz West	1920 M	Des Moines, Ia.
Wood, George Dilwyn	1918 A	Ithaca
Wood, Henry Eames	1918 M	Northampton, Mass.
Wood, Karl Dawson	1920 M	Washington, D. C.
Wood, Leonard, jr.	1918 A	Governor's Island
Wood, Percy Hasselle	1920 C	Chattanooga, Tenn.
Woodard, Ruth	1919 A	Glens Falls
Woodburn, Chester Charles	1917 Ar	Boone, Iowa
Woodbury, Bicknell James	1918 C	Danville, Ill.
Woodcock, William Palmer	1920 Ag	Spencer, Iowa
Woodelton, Royal Blaine	1919 Ag	Ithaca
Woodford, Paul Birdseye	1917 Ag	Syracuse
Woodford, William Henry Jackson	1918 A	New York City
Woodman, DeGraaf	1917 Ag	New York City
Woodman, Winifred	1917 A, 1920 M.D.	Brooklyn
Woodruff, Charles Curtis, jr.	1919 C	Long Island City
Woodruff, Dorothy Elizabeth	1920 A	Ithaca
Woodruff, Frank Holmes	1917 V	Waverly
Woods, William Colcord, B.A.	Grad	Orono, Me.
Woodward, Arthur Coy, A.B.	1917 M	Ithaca
Woodward, Morton Powell	1920 A (Chem)	Norwood, O.
Woodworth, Roswell Williams	1918 A	Homer
Working, Holbrook, A.B.	Grad	Ithaca
Worms, Sophie Dazian	1920 A	Whitestone
Worn, George Austin	1917 M	Reno, Nev.
Worster, Rebecca Jane	1918 Ag	Chautauqua
Wright, Abner Miles	1917 M	Evanston, Ill.
Wright, Charles Horton, B.S.	Grad	Akron, O.
Wright, Chilton Austin	1919 C	New Rochelle
Wright, Ehrick Hanford	1920 C	New York City
Wright, Frank Hood	1917 A	Newcastle, Ind.
Wright, Frederick William, B.S.	1917 M	Forest Glen, Md.
Wright, Grace	1919 Ag	Cranberry Creek
Wright, James Jackson	1919 A	Gardiner
Wright, John Ellsworth, jr.	1919 M	Elmgrove, W. Va.
Wright, Simeon Mather	1920 M	Bellefonte
Wright, Sumner Bisbee	1919 M	Baltimore, Md.
Wright, Walter Wayne	1919 A (Chem)	Kittanning, Pa.
Wright, William Edward Frost	1919 Ag	New Rochelle
Wrigley, Byron Earle, jr.	1920 M	Philadelphia, Pa.
Wuest, Louis Arthur	1919 Ag	Cincinnati, O.
Wyckoff, Norman Ross	1917 C	Harrisburg, Pa.
Wyckoff, Ralph W. G., B.S.	Grad	Geneva
Wygant, Laurance Greenwood	1917 Ag	Hornell
Wyman, Phillips	1917 A	New York City
Wynkoop, Doris DeNard	1919 A	Rochester
Wynne, Harry P.	1918 V	Binghamton
Wynne, Joseph Paul	1920 A (Chem)	Binghamton
Yamashita, Seitaro	Grad	Tokyo, Japan
Yang, Ying Ching	1917 A	Peking, China
Yates, Elsie Trail	1920 Ag	Hillsdale, N. J.
Yau, Shih Yee	1917 A	Swatow, China
Yaris, Themistocles George, B.S.	Grad	Kingston, N. H.
Yeaw, Albin	1918 A	So. Orange, N. J.
Yeh, Mrs. Cheung Yin Yee	Spec Ag	Hongkong
Yeh, Lu Liang, B.A.	Grad	Ithaca
Yellen, Max Mandel	1918 L	Buffalo
Yeomans, George Alvord	1920 Ar	Rochester
Yeomans, Lewis Huxley	1920 Ar	Chicago, Ill.
Yeung, Sik Chung	1918 Ar	Hongkong, China
Yih, Charles Robert, B.A., B.S.	Grad	Soochow, China
Yoshii, Edward Etsuya	1918 M.D. (N.Y.C.)	Brooklyn

Yost, Charles Henry	1918 M	Waterloo
Youmans, Mildred Addison	1918 Ag	Binghamton
Young, Austin Wellhouse	1917 Ag	New York City
Young, Bennet Botsford	1920 Ag	Chicago, Ill.
Young, Ernest Charles, B.S.	1918 Ag	Grove City, Pa.
Young, Harold Newell	1917 Ag	Crystal Dale
Young, Howard Clifford	1918 M	Utica
Young, Marston Dyer	1920 Ag	Malwah, N. J.
Young, Paul Thomas, A.B., A.M.	Grad	Los Angeles, Cal.
Young, Wallace Shipman, B.S.	Grad	Ithaca
Youngs, Frederick Tolley, jr.	1919 M	Richmond Hill
Younkheere, Robert Charles	1918 Ag	New York City
Zander, Roy John	1917 C	Chicago, Ill.
Zapf, Helen Justina Katherine	1920 A	Minersville, Pa.
Zausmer, Abraham Aaron	1920 A	Waverly
Zeiner, Eugene Francis	1919 M	Brooklyn
Zellner, Ansel Kenneth	1918 V	Waterloo
Zeltner, Lorin William	1918 Ag	New York City
Zeman, Bernard	1920 L	Chicago, Ill.
Zent, Edward George, jr.	1917 Ag	Williamsville
Zepp, Clarence Peter	1918 V	Troy
Ziegelbauer, Pauline	1919 A	Gloversville
Zilevitz, Reuben Robert	1920 Ag	New York City
Zimm, Louis Arthur, B.S.	Grad	New York City
Zimmerman, Herbert Leslie	1919 M	Oak Park, Ill.
Zimmerman, Lois Annette	1920 Ag	Cortland
Zinman, Maurice Nathaniel	1920 L	Philadelphia, Pa.
Zischkan, Charles Welfal	1919 Ar	Turtle Creek, Pa.
Zoller, Mabel Lucy	1920 Ag	Fort Plains
Zook, Henry Morris	1920 A	Washington, D. C.
Zuckerman, Jacob	1919 Ag	Gloversville
Zurbrick, Ella Dorothy	1918 Ag	Clarence Center
Zvirin, Philip	1917 Ag	Larchmont

STUDENTS REGISTERED IN THE THIRD TERM, 1916.

Alexander, Charles Paul, B.S., 1913	Johnstown
Alexander, Samuel Louis, B.S., 1916	Brooklyn
Allanson, Henry Emil	Ithaca
Anderson, Ernest Gustaf, B.Sc.A. (Univ. of Nebr.), 1915,	Concord, Nebr.
App, Frank, B.S. (Penn. State), 1911	Ithaca
Ariewitz, Samuel	New York City
Augur, Tracy Baldwin	Brooklyn
Bahret, Henry Gustave	Poughkeepsie
Baildon, John Karl	Marlboro
Bailey, John Wendell, B.S. (Miss. A. & M.), 1915, A. B. (Cornell), 1916	Jackson, Miss.
Baker, Vaughn Durrell, B. S., 1916	Willsboro
Banner, Erford Lynn, B.S., 1915	Bainbridge
Barber, Lanas Spurgeon, B.S. (Ky. State Coll.), 1895	Tallahassee, Fla.
Bauder, Harry Devoe, B.S., 1914	Fort Plain
Bechtel, Albert Reiff, B.S. (Univ. of Pa.), 1912, A.M. (same), 1912	Royersford, Pa.
Bell, Enid Rose, A.B. (Ohio Univ.), 1916	Jacksonville, Ohio
Benjamin, Foster Hendrickson	Brooklyn
Benson, John Phineus, B.S. (Utah Agr.), 1915	Logan, Utah
Betts, Franklin Furman	Willow Grove, Pa.
Bird, Royal Gould, B.S., 1916	New York City
Blackwell, Carl Petty, B.S. (Okla. A. & M.), 1911, M.S. (Univ. of Wis.), 1915	Austin, Texas
Blandford, Sara Reeves	Ithaca
Bole, Harry Spencer	East Hardwick, Vt.
Bolgiano, Charles Walton	Washington, D. C.
Boahnakian, Sarkis, B.Sc. in Agr. (Univ. of Wis.), 1914, M.S. in Agr. (Cornell), 1915	Ithaca
Boucher, Henry Negus	Brooklyn
Brace, Eldred Christiance	Richmond Hill
Bradley, Carl Richard	Hornell
Bradley, George Hirst, B.S., 1916	Hornell
Brannon, James Marshall, M.A. (Univ. of Wis.), 1914	Ithaca
Bregger, Thomas, B.S. (Univ. of Ill.), 1910	Rock Island, Ill.
Brenner, Joseph	Brooklyn
Brewster, Charles Stockton, B.S.A. (Ore. Agr.), 1913	Ithaca
Brickman, Benjamin, B.S., 1916	S. Fallsburgh
Brooks, Alfred Hiram	Monroe
Bull, Ebenezer, A.B. (Yale), 1915	Poughkeepsie
Burke, Frank Jones	Newark, N. J.
Burlage, Stanley Ross	Fredonia
Bussell, Frank Pores, A.B. (Colgate), 1901	Lacon, Ill.

Campbell, Donald Stuart, B.S., 1916	Detroit, Mich.
Carrick, Carey Walton, A.B. (Wake Forest), 1915	High Point, N. C.
Carrick, Doak Bain, A.B. (Wake Forest), 1910	High Point, N. C.
Castillo, Manuel Jesus	Merida, Yucatan, Mexico
Chandler, Wallace Larkin, B.S. (Univ. of Calif.), 1914 M.S. (same), 1915	Ithaca
Chang, Tien Tsai, B.S. (Univ. of Ill.), 1916	Canton, China
Chapman, Royal Norton, B.A. (Minn.), 1914, M.A. (same), 1915	St. Paul, Minn.
Chien, Chih Lan	Chekiang, China
Claassen, Peter Walter, A.B. (Univ. of Kan.), 1913, A.M. (same), 1915	Lawrence, Kans.
Clark, Albert Rankin, LL.B. (Nat. Law School), 1901	Ithaca
Clark, Charles Parsons, B.S., 1915	Skaneateles
Conklin, Elbert Ernest, jr.	Syracuse
Cook, William Carmichael	Syracuse
Corbin, Arthur Foster	Gouverneur
Corregan, Frank Gerow	Oswego
Curtis, Walter Earle	Telford, Pa.
Cutler, Paul Colman	New York City
Dann, Archie Byron, B.S., 1914	Ithaca
Darst, Willard Holden, B.Sc.Agr. (Ohio State), 1910	Covington, O.
Davis, Frederick Archibald, jr., B.S., 1916	Fort Edward
Davis, Llewellyn Howell	Cayuga
DeMott, Henry Vroom, B.S. in Agr., 1915	Metuchen, N. J.
Dietrich, Henry	Schenectady
Doetsch, Irving Haier	Hamburg
Doggett, William Henry	Dedham, Mass.
Donahue, William Bernard	New York City
Dusham, Edward Henry, A.B. (Dartmouth), 1910, M.S. (Penn. State), 1915	N. Andover, Mass.
Dynes, Oliver Wesley, B.S. (No. Dak. Agr.), 1907, M.S. in Agr. (Cornell), 1912	Fargo, N. D.
Emerson, Alfred Edwards	Highland
Engelder, Carl John, A.B., 1913, B.Chem., 1914	Wellsville
Ensign, Martin Russell, B.S. (Utah Agr. Coll.), 1912	Brigham, Utah
Escoll, Morris Julius	New York City
Everitt, John Samuel	Sayre, Pa.
Falconer, Cyrus, A.B. (Haverford), 1915	Darling, Pa.
Feller, William	New York City
Ficken, James Franklyn	Highland Falls
Finneran, J. Leo	North White Lake
Fisher, Mary Jones, A.B. (Western Md. Coll.), 1890, A.B. (Cornell), 1906	Denton, Md.
Fisher, William Harries	Ashland, Ky.
Forman, Horace Baker, 3d	Kitchawan
Forthoffer, Ernest Rudolf	Middletown
Francis, Irvin Torrence, A.B., 1912	Shamokin, Pa.
Freudenthal, Louis Edwin	Solomonville, Ariz.
Frey, Edward	New York City
Frost, Stuart Ward, B.S., 1915	Tarrytown
Fulton, Louis, B.S. (Hamilton), 1915	Massena
Funk, Horace Clemmer, Ph.B. (Brown), 1907	Palm, Pa.
Gamble, Dean	Elmira
Garman, Stanley Cortland	Canisteo
Gebo, Loren William	Peru
Gerber, Gustave Augustus	Brooklyn
Gershoy, Alexander Morris	New York City
Gibson, Arthur Edward	Brooklyn
Gibson, A. Wright	Freehold
Gluck, Jacob	Brooklyn
Gottlieb, Samuel	New York City
Graham, Samuel Alexander, B.S. in F. (Univ. of Minn.), 1914, M.F. (Cornell), 1916	Minneapolis, Minn.
Gresser, Albert Parson	Brooklyn
Grier, Lucie, B.S. (Fla. St. Coll. for Women), 1914, M.S. (same), 1915	West Palm Beach, Fla.
Grimm, John Jay, B.S. (Grinnell), 1910	Gainesville, Fla.
Griswold, Grace Hall	Grand Rapids, Mich.
Grossman, Jacob, B.S., 1916	New York City
Hadley, Charles Harvey, jr., B.S. (N. H.), 1912	Mansfield, Mass.
Hagemann, Christian Frederick	Yonkers
Hardenburg, Earle Volcart, B.S., 1912, M.S. in Agr., 1915	Brocton
Harvey, Lew Ellsworth, B.S., 1914	Marathon
Heath, Charles Orville	Rochester
Heinicke, Arthur John, B.S. in Agr. (Univ. of Mo.), 1913, M.A. (same), 1914	Ithaca
Hepner, Harry Walker, A.B. (Muhlenburg), 1916,	Sunbury, Pa.
Hess, Walter Norton, A.B. (Oberlin), 1913, A.M. (Cornell), 1916	Great Valley
Heuser, Gustav Fredeirck, B.S., 1915, M.S. in Agr., 1916	Buffalo
Hodge, Eric Laurence	Buffalo
Hoefner, Albert, B.S., 1916	Elmira
Hoefner Ferdinand	Brooklyn

Hoffman, William Albert	New York City
Hopkins, Edwin Fraser, B.S., 1915	Buffalo
Horton, Harding Fred	North White Lake
Howgate, Henry Otis	Greenwich, Conn.
Hunn, Chester Jermain, B.S. in Agr., 1908	Ithaca
Johnson, Harold Osborne	Elmira
Kaneko, Shotaro, B.S. (Tohoku Imperial Univ.), 1904	Formosa, Japan
Katzenberg, David Sidney	New York City
Kaufman, Jacob	New York City
Kennedy, Clarence Hamilton, A.B. (Indiana), 1902, A.M. (same), 1903, A.M. (Stanford), 1915	Rockport, Ind.
Kephart, George Stebbins	Ithaca
Kilbourne, Edwin Ingersoll	Brooklyn
Kirkpatrick, Ellis Lore, B.S. Agr. (Iowa State), 1914	So. England, Ia.
Knapp, Willis Edmonston	Buffalo
Knight, Harry Hazel, Ph.B. (Springfield State Nor.), 1910 B.S. (Cornell), 1914	Springfield, Mo.
Knowlton, Harry E., B.S. (Mich. Agr. Coll.), 1912	Fennville, Mich.
Koch, Catharine Elizabeth, B.S. (Mich. Agr. Coll.), 1909, M.A. (Cornell), 1916	Gowanda
Koslin, Samuel Harry	New York City
Kraus, Albert Abraham	New Brighton
Lackie, Harry Mervyn, B.S. in Ag. Ed. (Iowa State), 1915	Bradford, Ill.
LaFollette, Rollin Jerome, A.B. (Pomona), 1915	Highland, Calif.
Lamoreaux, Louis Andre	Rosebank
Landmann, Margaretta Veldran	Oradell, N. J.
Lanier, Ernest Mounat, B.S. in Agr. (La. State), 1915	Napoleonville, La.
Lauritzen, John Irwin, B.S. (Utah Agr. Coll.), 1913	Moroni, Utah
Lawson, Nora Pauline, A.B., 1916	Brockport
Leathers, Adelbert Llewellyn, Ph.B. (Wesleyan Univ.), 1907	So. Orrington, Maine
Lebowsky, Harry	Brooklyn
von Lengerke, Justus von Beust	Orange, N. J.
LeWorthy, George Edwin, B.S. (Hobart), 1915	Waterville
Liehr, Harry	Indianapolis, Ind.
Lindstrom, Ernest Walters, A.B. (Univ. of Wis.), 1914	Chicago, Ill.
Lobdell, Richard Nugent, B.S. (Miss. A. & M. Coll.), 1910, M.S.(same), 1912	Rosedale, Miss.
Long, Edith Eggert	Buffalo
Loughlin, John Donald	Brooklyn
Lucas, Florence, B.S. (Univ. of Calif.), 1913	Ogden, Utah
Luther, Thomas Frederick	Mechanicsville
MacDaniels, Laurence Howland, A.B. (Oberlin), 1912	Ithaca
McGrew, Walter Browning	Chicago, Ill.
MacIntire, Walter Hoge, B.S. (N. C. A. & M.), 1905, M.S. (Penn. State), 1909	Wilmington, Del.
McRostie, Gordon Peter, B.S.A. Ont. Agr. Coll., 1912	Ithaca
Manchester, Adolph Archibald	Brooklyn
Mapes, Herbert Mortimer	Owego
Martin, Arthur Howard	Attica
Martin, Thomas Lysons, A.B. (B. Y. Univ.), 1912	American Ford, Utah
Mayer, Albert Kenneth	Brooklyn
Mayer, Ludwig Stolz	Ithaca
Meade, DeVoe, B.S. (Penn. State Coll.), 1911	Ithaca
Metcalf, Franklin Post, B.A. (Oberlin), 1913	Talladega, Ala.
Millen, Frederick Hartwell, B.S., 1915	Newton, N. J.
Millen, Mabel Gertrude Beckley, B.S., 1915	Trumansburg
Miller, Martha Himes	New York City
Mills, Harold Strycker	New York City
Misner, Edward Gardner, B.S., 1913	Dairyland
Moore, Clarence William, B.S., 1916	West Henrietta
Morgan, Daniel Stentz	Uniontown, Pa.
Moskowitz, Jay, B.S. (Univ. of Rochester), 1913	Rochester
Munz, Philip Alexander, A.B. (Univ. of Denver), 1913, A.M. (same), 1914	Denver, Colo.
Myers, Edgar	Connersville, Ind.
Myers, William Irving, B.S., 1914	Lowman
Nabenhauer, Fred Paul	Stapleton
Nakahara, Waro, B.S. (Tokyo Agr.)	Tokyo, Japan
Nanz, Ralph Simpson, B.S., 1912	Brooklyn
Noble, Clarence Vernon, B.S., 1916	Ithaca
Oaler, Harold Scott, B.S. (Mich. Agr.), 1913	Orono, Me.
Oswald, Charles Louis	Keuka Park
Overholser, Earle Long, B.S. in Agr. (Univ. of Mo.), 1913, M.A. (same), 1914	Harrisonville, Mo.
Panoff, Emanuel, B.S., 1916	Brooklyn
Payne, William Yarnall, B.S. in C.E. (Univ. of Pa.), 1913	Norwood, Pa.
Perry, Robert Ernest, jr.	Westfield, N. J.
Phillips, Charles Moore, jr.	Louisville, Ky.
Phillips, Cyrus Grammer, B.Ed. (Nebr. St. Normal), A.B. (Univ. of Nebr.), 1912	Moore's Hill, Ind.
Phillips, Laverne Samuel, B.S., 1916	Mayville
Ping, Chih, B.S., 1913	Ho Nan, China

Pitts, James Townsend, B.S. (Alfred), 1915	Nunda
Plough, Arthur Westyn	Vestal
Pomernaz, Solomon	New York City
Porter, Joseph Pullman	New Rochelle
Potter, George Frederick, B.S.A. (Univ. of Wis.), 1913	Madison, Wis.
Purdy, Dorman Steele	Ithaca
Putney, Charles Milton	New York City
Raferty, Esther Kathryn, A.B. (N. Y. State Coll. for Teachers), 1911	Sherburne
Randolph, Lowell Fritz, Ph.B., (Alfred Univ.), 1916	Alfred
Reichle, Richard Carl Adolph	So. Orange, N. J.
Reidy, Margaret Mary, A.B., 1908	Ithaca
Rhodes, Gilbert Saxton, B.S., 1916	Ithaca
Richmond, Edward Avery, B.S. (Dartmouth), 1912	Brockton, Mass.
Ries, Victor Heinrich, B.S., 1915	Ithaca
Riley, Effey Lena	Rochester
Robert, Joseph Clarke, B.Sc. (So. Univ.), 1895, M.S.A. (same), V.M.D. (same), 1900, Ph. G. (Univ. of Pa.), 1905, M.D. (Miss. A. & M.), 1915	Agricultural College, Miss.
Robson, Joseph William	Hall
Roper, Frank Adams, B.S., 1915 M.S. in Agr., 1916	Owego
Rosen, George Julius	Brooklyn
Routh, Joseph Phelan	New York City
Sabel, Samuel	New York City
Saddler, Frank, Jr.	New York City
Sanborn, Helen Atherton, A.B. (Univ. of Minn.), 1911	Minneapolis, Minn.
Schaetzel, Julius	Los Angeles, Cal.
Schereschevesky, Pincus	Ithaca
Seulke, Karl John, B.S. (Purdue), 1913, M.S. (Penn. State), 1914	Ithaca
Severance, Mildred, A.B., 1915	Buffalo
Shill, Claude Edward	Avoca
Shoulkin, Simon	Brooklyn
Shultz, Abraham	Brooklyn
Sisson, Stanley Howe	Potsdam
Skinner, Louis Raymond	Lakewood
Smith, Elmer Herbert	Deerfield
Smith, Fabian McKeon	Spokane, Wash.
Smith, Harland Leander, B.S., 1916	Auburn
Smith, Raymond Stratton, B.S. (Pomona), 1907, B.S. in Agr. (Univ. of Ill.), 1913, M.S. (Penn. State), 1916	State College, Pa.
Smith, Roger Cletus, A.B. (Miami), 1911 A.M. (Ohio State), 1915	Ithaca
Stall, Ernest Beall, B.E. (Univ. of Miss.), 1913	Oxford, Miss.
Steelman, Lloyd Wesley	Newton, O.
Stern, Howard Eugene	Philadelphia, Pa.
Strong, Howard Herkimer	Sherman
Stults, Herbert Milton	Brooklyn
Sutton, George Sutton, A.B. (Indiana Univ.), 1915,	Aurora, Ind.
Tapke, Victor Ferdinand, B.Sc. in Agr. (Ohio State), 1914	Ithaca
Tavares, Gustavo Antonio	Santiago, Dominican Rep., W. I.
Taylor, Gilbert Morris, B.S., 1916	St. Paul, Minn.
Thomas, Cecil Calvert, A.B. (Wabash Coll.), 1912, A.M. (same), 1913	Ithaca
Thomas, Roy Hilman, A.B. (Univ. of Ky.), 1913	Buffalo
Thompson, Donald Church	Amherst, Mass.
Tilson, Howard Ferguson	Texarkana, Tex.
Tinnerholm, Arthur Rudolf	Schenectady
Townsend, Theodore Horton	Elmira
Turner, Thomas Wyatt, A.B. (Howard), 1901, A.M. (same), 1905	Washington, D. C.
Van Volkenberg, Horatio Luther	Springville
Vass, Alonzo Frederick, B.S. (Univ. of Wis.), 1909, M.S. (same), 1911	Ithaca
Vick, Harry Elias, B.S. (Bethel Coll.), 1905, M.S. (same), 1906	Louisville, Ky.
Volz, Emil Conrad, B.S. (Mich. Agr.), 1914	Saginaw, Mich.
Wagner, Thomas Rowan	Germantown, Pa.
Warner, Selden Richard, B.S. (William & Mary), 1911	Hunstville, Tex.
Weigel, William Harold, jr.	Butler, Pa.
Weir, Wilbert Walter, B.S.A. Univ. of Wis.), 1908	Madison, Wis.
Weiss, Max	New York City
Weissman, Sarah Lalla, B.S., 1915	Moscow, Russia
Wells, Nelson Miller	Baldwinsville
Wentz, John Budd, B.S.A. (N. Dak. Agr. Coll.), 1913	Chariton, Iowa
Wheeler, Ralph Adna	Lackawanna
Wherry, Helen Marie, B.S. (Univ. of Pa.), 1907	Philadelphia, Pa.
Wigdor, Meyer	New York City
Wiggans, Roy Glen, B.S. in Agr. (Univ. of Mo.), 1914, M.S. in Agr. (Cornell), 1915	Columbia, Mo.
Wilds, George James, A.B. (Univ. of So. Car.), 1913	Ridgeway, S. C.
Wilford, Edward James	Ithaca
Wille, Charles	New York City
Witt, Leon Richmond	Brooklyn

STUDENTS REGISTERED IN THIRD TERM

297

Wong, Chun	Canton, China
Wright, William Harmon, B.S. (Purdue), 1908, M.S. (Univ. of Wis.), 1909	Madison, Wis.
Yih, Charles Robert, B.A. (Soochow Univ.), 1914, B.Sc. (same), 1915	Soochow, China
Young, Austin Wellhouse	New York City
Young, Benjamin Percy, B.S. (Univ. of Kans.), 1908	Lawrence, Kansas
Zepp, Clarence Peter	Troy
Zvirin, Philip	Larchmont

REGISTERED IN GRADUATE SCHOOL

Walker, Leva Belle, B.A. (Pacific Univ.), 1901, M.A. (Univ. of Nebr.), 1908	Lincoln, Nebr.
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Summary by Colleges

GRADUATE SCHOOL.....			379
COLLEGE OF ARTS AND SCIENCES			
Candidates for A.B.	Class of 1917	233	
	Class of 1918	292	
	Class of 1919	318	
	Class of 1920	326	
Candidates for B.Chem.	Class of 1917	44	
	Class of 1918	40	
	Class of 1919	51	
	Class of 1920	87	
Special Students	7		
			1398
COLLEGE OF LAW			
	Class of 1917	38	
	Class of 1918	50	
	Class of 1919	74	
	Class of 1920	81	
	Special Students	4	
			247
MEDICAL COLLEGE			
New York City	Class of 1917	27	
	Class of 1918	30	
	Class of 1919	40	
	Class of 1920	39	
	Special Students	19	
Ithaca Division	Class of 1920.....	28	
			183
VETERINARY COLLEGE			
	Class of 1917	41	
	Class of 1918	71	
	Class of 1919	8	
	Class of 1920	34	
	Special Students	1	
			155
COLLEGE OF ARCHITECTURE			
	Class of 1917.....	34	
	Class of 1918.....	34	
	Class of 1919.....	35	
	Class of 1920.....	45	
	Class of 1921.....	5	
	Special Students	7	
			160
COLLEGE OF AGRICULTURE			
	Class of 1917.....	298	
	Class of 1918.....	345	
	Class of 1919.....	384	
	Class of 1920.....	356	
	Special Students.....	72	
			1455
COLLEGE OF CIVIL ENGINEERING			
	Class of 1917.....	114	
	Class of 1918.....	66	
	Class of 1919.....	100	
	Class of 1920.....	88	
	Class of 1921.....	29	
	Special Students	3	
			400

SIBLEY COLLEGE OF MECHANICAL ENGINEERING

Class of 1917.....	191	
Class of 1918.....	172	
Class of 1919.....	233	
Class of 1920.....	232	
Class of 1921.....	82	
Special Students	9	
		919
Total number of students, deducting for names counted twice (22)		5274

Geographical Summary

New York.....3243	Utah	19	Florida	2	Palestine.....	2
Pennsylvania .. 355	Tennessee	17	New Mexico.....	2	Salvador	2
New Jersey..... 319	Georgia	16	Wyoming	2	South Africa....	2
Ohio	Louisiana	16	Arizona	1	Austria	1
Illinois..... 145	Delaware	15	Nevada	1	Bahamas.....	1
Connecticut 81	North Carolina .	14	Territory of Hawaii	13	Bolivia	1
Massachusetts . 65	Oregon	13	Porto Rico	10	British Columbia	1
D. of Columbia. 62	South Carolina..	12	Philippine Is....	9	Bulgaria	1
Maryland	New Hampshire..	11	Canal Zone.....	1	Cyprus	1
Missouri	Maine	10	China	45	Denmark	1
Indiana	Montana.	10	Canada	16	Dominican Rep.	1
Michigan	Oklahoma	10	Cuba	15	Ecuador	1
Texas	West Virginia...	10	Brazil	8	Greece	1
Virginia..... 31	Arkansas.....	7	Argentina	5	Guatemala	1
Wisconsin	Idaho	7	Japan	5	India	1
California	Washington	7	Chile	4	New Zealand ...	1
Iowa	Kansas	6	Russia	4	Norway.....	1
Colorado	Alabama	5	Panama Rep....	3	Peru	1
Nebraska	Mississippi	5	Turkey	3	Scotland	1
Vermont	Rhode Island...	4	Germany	2	Switzerland	1
Kentucky	South Dakota ..	4	Mexico	2	Venezuela	1
Minnesota	North Dakota ..	3				

ADDITIONAL ENROLLMENT

Third Term in the College of Agriculture, June–September, 1916.....	269
University Summer Session (including Summer School in Agriculture)	1630
Winter Courses in Agriculture, 1916–17	282

Total Registration by Years from the Opening of the University

1868, 412	1877, 529	1886, 829	1896, 2105	1906, 4225
1869, 563	1878, 505	1887, 1022	1897, 2120	1907, 4465
1870, 609	1879, 463	1888, 1229	1898, 2543	1908, 4859
1871, 597	1880, 399	1889, 1329	1899, 2766	1909, 5194
1872, 539	1881, 384	1890, 1390	1900, 2980	1910, 5624
1873, 509	1882, 405	1891, 1670	1901, 3293	1911, 5848
1874, 532	1883, 447	1892, 1883	1902, 3457	1912, 6315
1875, 542	1884, 575	1893, 2040	1903, 3423	1913, 6496
1876, 561	1885, 649	1894, 2042	1904, 3841	1914, 6891
		1895, 2057	1905, 4122	1915, 7143

STUDENTS IN THE UNIVERSITY SUMMER SESSION, 1916

Including the Summer School in Agriculture

*Indicates Summer School in Agriculture.

†Indicates registration also in the Graduate School.

‡Indicates Summer Session and Summer School in Agriculture.

Abel, Edna May, A.B., 1909	Trumansburg
*Aber, (Mrs.) Elizabeth Smith	Avoca
*Aber, Floyd J.	Avoca
Acker, Emma Pittman	Paducah, Ky.
Acker, Warren Franklin, M.A. (Muhlenberg), 1907	Allentown, Pa.
Adams, Annie Alvira	N. Attleboro, Mass.
Adams, Minerva Lois	Ocean City, N. J.
Ahern, Gertrude May, B.S. (Adelphi), 1916	New York City
Airey, Esther	Buffalo
Akehurst, William Delamere	Glencoe, Md.
Alexander, Lawrence Handley	Jackson, O.
*Allan, Maebelle Mitchell	Pittston, Pa.
*Allen, Elsa Guerdrum, A.B., 1912	Ithaca
‡Altemose, Ferne Estelle	Lehigh, Pa.
Ames, Fordyce Julian	DeRuyter
Ames, Robert Johnson	Cortland
Anderson, Edward Ewen	Washington, D. C.
Anderson, Lucile York	Memphis, Tenn.
*Andreu, Helen Benita	Jamaica
Andrews, Frank Herdman	Olean
Andrus, Esther Frances, A.B., 1914	Penfield
†Apgar, Clara Selkreg, A.B., 1905	Ithaca
Armstrong, Henrietta Marie	Baltimore, Md.
Armstrong, Marion, A.B., 1907	Pittsburgh, Pa.
Arnold, Laura, A.B. (Wellesley), 1906	Ridgway, Pa.
Arnsfield, Samuel Raymond	Johnstown
Arp, Louis Craft	Moline, Ill.
Ashley, Beatrice	Ashtabula, O.
Ashman, Kate V.	Bridgeton, N. J.
Ashmead, Joseph Crandell	Richmond Hill
Ashwood, Jack	Gouverneur
Augenblick, Jacob	Newark, N. J.
Augenblick, Joseph	Newark, N. J.
Austin, Henry Kirke White	Ithaca
*Axtell, Florence Ethel, B.S., 1916	Deposit
Babbitt, Margaret, A.B. (Vassar), 1914	Concord, Mass.
Bacon, Elizabeth Frances, Ph.B. (Alfred Univ.), 1915	Canaseraga
Bacon, Florence Thayer	Moorestown, N. J.
*Badger, Constance, B.S., 1915	Ithaca
*Baetzel, Louise Georgiana	Rochester
*Bailey, Elmer James, Ph.B. (Univ. of Rochester), 1894, Ph.M. (same) 1897, A.M. (Hamilton), 1905, Ph.D. (Cornell), 1909	Ithaca
Bailey, Mildred Louise	S. Dartmouth, Mass.
Baker, Charles Nott, jr.	Selkirk
Baker, Charlotte Agnes	Fort Collins, Colo.
Baker, David Wright	Dunkirk
Baldwin, Berta E., A.B. (Brown Univ.), 1908	North Stratford, N. H.
*Baldwin, Marion Moore	Ithaca
*Baldwin, Warner Frank	Ithaca
Ballou, Harold	Ithaca
Baltzel, Irene, Ph.B. (Syracuse), 1910	Lyons
Banghart, Edgar Schuyler	Binghamton
Banks, Josephine	Ithaca
*Barclay, Sarah, A.B., 1915	Brooklyn
Barford, George Frederic	Hamilton
Barker, Ethel Cora	Ithaca
‡Barnes, Janet Stetson	Eggertsville
Barr, Joseph Sydney	Ithaca
*Barros, Hurtado Guillermo, B.H. (Chile Univ.), 1914	Santiago, Chile
Barstow, Mary Eleanor	Ithaca
Bartlett, Robert Lander, M.D. (Tufts Med.), 1897, D.M.D. (Harvard Dent.), 1895	Rome
Bartosek, Sophia, B.A. (Hunter), 1905	New York City
Bassett, Emma Neal, Ph.B. 1884, M.S. 1890	Cooper's Plains
Bassett, Harold Rhodes	Holyoke, Mass.
Bassett, Lucy Antoinette, B.S., 1916	Ithaca
Batts, Walter Harold	Grand Rapids, Mich.
Bauer, Mary Elizabeth	Hooker, O.
Bayle, Francis Lawrence	Glens Falls

Bayley, Jayne
 †Bayne, Thomas Levingston, jr., B.S. (N. C. A. & M. Coll.), 1914
 Beadenkopf, Louise
 Beals, Helen
 Beam, James Blain
 Beaman, Mildred Farley
 Beard, Marguerite Lucile, A.B. (Radcliffe), 1904
 Beard, William Chester
 *Beardsley, Mrs. Grace Pettit
 Beardsley, Wallace Pearne
 Beecher, Weltha Josephine
 Beegle, Clifford Heath
 †Beers, Albertson Seckendorff
 Beers, Clara
 *Beiermeister, James McPherson
 *Beilby, Jane Miranda, B.S., 1916
 Bell, Caroline Victoria
 *Bell, Enid Rose, A.B. (Ohio State), 1916
 †Bell, Helen Newell, A.B. (Brown), 1911, A.M. (same), 1912
 †Bell, Willard Robert, B.S. (Wesleyan), 1915
 Beller, Jerome Harold
 Benedict, Horace Guion
 Bemmors, Mildred Stuart
 Bennett, Minerva Maria, A.B. (Wells), 1901
 Bennett, Curtis Burman
 *Bennett, Margaret Eloise, A.B. (Oberlin), 1912
 Benson, Charles Beverley
 Bentley, Raymond Palm
 Berdeau, Fay W.
 *Bergholtz, Hilma Marie, B.S., 1915
 Berkey, Florence May
 Berls, Amanda Katherine
 *Berls, Magdalena Olga
 Berston, James Lewis
 Best, Gerald Martin
 Beyer, Benjamin Wesley, jr.
 †Bezant, Mrs. Kate Bradley, A.B. (Vassar), 1892
 Bibighaus, Harriet Elizabeth
 Biederman, Martin
 *Bigelman, Anna Isabella, B.A. (N. Y. State Nor. Coll.), 1911
 Biggs, Carl Hathaway
 Bird, Grace Eunice
 Blacklock, Ruther Potter
 Blair, Margaret Adah
 Blakey, Elva Sue
 Blauvelt, Livingston
 Blew, William Harry
 Blodgett, Mary Catherine
 Bloom, Dora Ruth
 Blume, William Richard
 Bocker, Dorothy, B.S. (N. Y. Univ.), 1908, M.A. (Columbia), 1910
 Boggs, Florence Tucker
 Bogorad, Nellie
 Bonaguro, Alphonse
 Boshart, William Elida
 Bost, Charissa Marion
 Boughner, Jane Irene
 Bowen, George Washington
 Bowen, Grant Whitney
 Bower, Ellen Lucy
 Bowers, Anderson
 Bowes, (Mrs.) Lillis Barlow
 Bowman, Edgar Milton, B.A. (Haverford), 1915, M.A. (same), 1916
 Bowman, Florabekke Buehrle
 *Boyd, Martha Jane, B.A. (Queen's Univ. Ireland), 1914
 †Boynston, Mabelle Mina
 *Brace, Eldred Christiance
 Bradley, Ethel May
 †Breck, George Dwight, jr.
 Breck, Lawrence William
 Breckinridge, Clifton Rodes, jr.
 Breitwieser, Olive Clara
 *Brenner, Joseph
 Brenner, Lela Ann
 Bretz, Ludlow Earle
 Brien, Grace Theodosia, A.B. (Vassar), 1915
 Briggs, Philip Schuyler, jr.
 *Brink, Francis Gerard, A.B., 1916
 Brinkman, Helen Stewart
 Brittain, Sally

York, Pa.
 Lillington, N. C.
 Baltimore, Md.
 Worcester, Mass.
 Easton, Pa.
 Ithaca
 Fargo, S. D.
 Attleboro, Mass.
 Elmira
 Norwich
 Atlanta
 Beaver Falls, Pa.
 Norwalk, Conn.
 Salamanca
 Troy
 Deposit
 Ithaca
 Jacksonville, O.
 Bristol, R. I.
 Leesport, Pa.
 Buffalo
 Roselle, N. J.
 Moorestown, N. J.
 Virginia City, Mont.
 Richmond, Ky.
 Oberlin, O.
 Brooklyn
 Brookline, Mass.
 Paraiso, Canal Zone
 Ithaca
 Pittsburgh, Pa.
 New York City
 New York City
 Yonkers
 Port Jervis
 Cincinnati, O.
 Spencer
 Glenside, Pa.
 New York City
 Troy
 Ithaca
 Buffalo
 Wilson
 Duquesne, Pa.
 Norristown, Pa.
 New York City
 Niagara Falls
 Rushville
 Paterson, N. J.
 New York City
 Hicksville
 New York City
 Rochester
 Brooklyn
 Lowville
 Homestead Park, Pa.
 Hazleton, Pa.
 Wilkes-Barre, Pa.
 Mt. Morris
 Trumansburg
 Kittanning, Pa.
 Canastota
 Kinzers, Pa.
 Lancaster, Pa.
 New York City
 Oneonta
 Richmond Hill
 Philadelphia, Pa.
 Pittsburgh, Pa.
 Pittsburgh, Pa.
 Fort Smith, Ark.
 Buffalo
 Brooklyn
 Ithaca
 Dobbs Ferry
 Orange, N. J.
 Strafford, Pa.
 Marathon
 Worcester
 Tazewell, Va.

- Brock, Eleanor
 Broderick, Frank Baumont
 Brookmire, Neil Ivan
 †Brooks, Florence Ada, A.B. (Ursinus Coll.), 1912
 †Brooks, Florence Greene
 Brothers, Catharine Lovina
 Broughton, Mary Selina, B.M. (Elmira), 1902, B.A. (same), 1904
 Brown, Anthony Joseph
 Brown, Chauncey Fairfield, A.B. (Park Coll.), 1916
 Brown, Leonard Tenny
 *Brown, Maude Grimwood
 *Brown, Regina Mollie, B.A. (Hunter), 1908
 Browne, Alice Katherine
 *Browne, Amelia Sawyer
 Browne, Frederick Lincoln
 †Brownell, Jane MacKay
 Brumbaugh, Chalmers Sherfey, A.B. (Juniata Coll.), 1904, LL.B. (Univ. of Md.), 1911
 Bryant, Florence Edninia, A.B. (Smith), 1913
 Bryant, Olive Mary, A.B. (Smith), 1911
 Buckman, (Mrs.) Delilah Hayes
 Bunn, Charles Horatio, jr.
 Burchill, William John
 *Burg, M'Liss Viola
 †Burgunder, Bernard Frank
 Burnham, Barbara
 Burnham, Rogers
 Burns, Helen Camilla
 Burns, Samuel
 Burrell, Archibald Wray
 †Butt, Emily
 Butts, Marie Lucile
 *Buzby, Jesse Milton
 Buzza, Mattie Belle
 Byrd, Ralph Hamilton
 Cable, Jo Harnly
 Cadwell, Marion Olney, B.A. (Wells), 1915
 *Cady, Elizabeth Catherine
 Cahoon, Charles Wilbur, jr.
 *Calhoun, George Williams
 *Calhoun, John Caldwell
 Calkins, Elmer Benjamin
 Campbell, Agnes Bolger
 Campbell, Emily Alva
 Campbell, Georgena Leora
 Campbell, Mildred
 Canan, Nancy Elizabeth
 Canary, Allena Gertrude, A.B. (Hunter Coll.), 1907
 Caulfield, Bessie Mary
 Capron, Edith T.
 Carmalt, Helen Amelia
 Caron, Armand Laurier
 †Carpenter, Clara Essex
 Carr, Edward Howard
 Carrasco-Calvo, Juan Leopoldo, A.B. (Chile Univ.), 1914
 †Carrick, Doak Bain, A.B. (Wake Forest), 1910
 Carroll, Charles Hardy, B.S. (Brigham Young Univ.), 1912
 Case, Mervin
 *Case, Miriam Oliver
 Catok, Victor Max
 Cavanaugh, Paul James
 Celehar, Ann Cecelia
 Cesario, Frank
 Chadwick, Stuart
 *Chapelle, Isaac A.
 Chapin, Leila, A.B. (Smith), 1911
 *Chapman, (Mrs.) Esther Stanton
 *Chapman, Phyllis
 Chen, Che Kwei
 Chen, Cheng-Sze, B.A. (Fuhtan Coll.), 1910
 Chen, Ho-chin
 Chen, Sophia H.
 Chen, Ting Hsi
 Chick, Mary Elizabeth
 †Chipman, Ruth Ellen, A.B., 1910
 Chisolm, Emilie Mann
 Chism, Aytchie Hermine
 Chlebaikow, Eva
 Cho, Wen-Yueh, C. R., 1916
 Morgantown, W. Va.
 Johnstown, Pa.
 Findley Lake
 Palmyra
 Philadelphia, Pa.
 Knox, Pa.
 Elmira
 Corning
 La Crescenta, Cal.
 Washington, D. C.
 Brooklyn
 New York City
 Buffalo
 Cambridge, Mass.
 New York City
 West Orange, N. J.
 Baltimore, Md.
 Honesdale, Pa.
 Honesdale, Pa.
 Jamestown
 East Orange, N. J.
 Chicago, Ill.
 Buffalo
 Wilkes-Barre, Pa.
 Brooklyn
 Brooklyn
 Ithaca
 New Britain, Conn.
 Buffalo
 Jackson, Miss.
 Brunswick, Ga.
 Philadelphia, Pa.
 Coraopolis, Pa.
 Suffolk, Va.
 Lima, O.
 Watertown
 Ithaca
 St. Louis, Mo.
 Cleveland, O.
 Cleveland, O.
 Shaverton, Pa.
 Wilkinsburg, Pa.
 Philadelphia, Pa.
 Slippery Rock, Pa.
 Dividing Creek, N. J.
 Harrisburg, Pa.
 New York City
 Honesdale, Pa.
 Friendship
 Brookville, Pa.
 Shortbridge, Mass.
 Norton, Va.
 Bayville
 Temuco, Chile
 High Point, N. C.
 Ithaca
 Chicago, Ill.
 Philadelphia, Pa.
 New York City
 Ithaca
 Pittsford
 Port Chester
 Hartford, Conn.
 Byron
 East Bloomfield
 Ithaca
 Brooklyn
 Canton, China
 Foochow, China
 Hangchow, Chikiang, China
 Soochow, China
 Ningpo, China
 Hopewell, N. J.
 Ithaca
 Huntingdon, Pa.
 Graham, Texas
 Paterson, N. J.
 Canton, China

Chow, Yen Shuen	Shanghai, China
Christianson, Raynard	Butler, Pa.
Church, Elsie Sterling	Ithaca
Church, Helen Landers, B.A. (Mt. Holyoke), 1914	Afton
*Church, Madeline Kingsley	Ithaca
†Clapp, Parmly Scofield, jr.	New York City
*Clark, Anna	Astoria
*Clark, Anna Whitman, A.M. (Vassar), 1898	Binghamton
Clark, Betty Lowther, B.S. (N. Y. State Coll. for Teachers), 1913	Cohoes
Clark, Clara Meyer	Mt. Vernon
Clark, Grace Wynona	Houlton, Maine
Clark, Marguerite Eldora	Derry, N. H.
Clark, William Jerome, jr.	Chicago, Ill.
Clarke, Edith Ann	New York City
Clary, Francis Joseph	Seneca Falls
Clawans, Edward	Newark, N. J.
*Cleeves, Henry White	Meadow Brook
Clifford, Margaret, A.B. (Swarthmore), 1913	Swarthmore, Pa.
Cline, Laura Russell, A.B. (Indiana Univ.), 1905	Jonesboro, Ind.
Clines, Mary	Ithaca
*Clinton, Ruth Mabel, A.B. (Vassar), 1915	Elmira
Clock, Phoebe Hermeo	Trumansburg
*Clynes, James Joseph	Ithaca
Cobb, Diane Maurine	Coudersport, Pa.
Cobb, Marie Howard	Buffalo
*Cochran, Christina Agnes	New York City
Cockcroft, Katherine Emily	Cohoes
Coe, Beatrice Hedley, A.B. (Vassar), 1916	Medina
Coe, John Sherman	Waterbury, Conn.
†Coe, Miriam Storrs, B.S. (Smith), 1899, A.M. (Columbia), 1915	New York City
Coelho, Jose Natividade	Rio de Janeiro, Brazil
*Cohn, Beatrice, A.B. (Hunter), 1914	New York City
†Cohen, Bertha, B.A. (Adelphi), 1910, M.A. (Columbia), 1914	Brooklyn
Colburn, Doris Jessie	Antrim, N. H.
Colby, Whitney Coffin	Montclair, N. J.
†Coleman, Helen, A.B. (Smith), 1912	Lancaster, Pa.
Colgan, Marion Ellen	Pittsford
*Colhoun, Helen Josephine Allen	Trumansburg
*Colhoun, Henry Maynadier	Amsterdam
Collett, Harry Arthur	Baltimore, Md.
Colucci, Frank, A.B. (Univ. of Rochester), 1916	Rochester
Comly, Esther Elizabeth	Philadelphia, Pa.
Compton, Louise, A.B. (Hunter), 1903	New York City
Conant, John Kennard	Upper Montclair, N. J.
Conklin, Cecile Elizabeth	Brooklyn
Conkling, Mildred Hastings	Harrisburg, Pa.
*Connor, Edith	New Rochelle
Connor, Edwin Irving, jr.	New Rochelle
†Connor, May Louise, A.B. (Vassar), 1907	Englewood, N. J.
Conover, Carrie C.	Johnstown
Conradi, Elsa Sophie	Baltimore, Md.
Cook, Hattie Belle, B.A. (Wilson), 1911	Dutch Neck, N. J.
*Cook, Leon Emory, A.B., 1913, B.S. in Agr., 1914	Ithaca
Cookingham, Myrtle Ellen	Cherry Creek
*Cookingham, Waldo Beale, B.S., 1916	Ellenville
Corbin, Jessie Ola, A.B. (Smith), 1911	Binghamton
Cordley, Christopher Minta	Glen Ridge, N. J.
Cornish, Cornelia Baker	Cortland
Cornwell, Ralph Thomas Kline	Northumberland, Pa.
*Correa, Ugarte Rafael	Santiago, Chile
Costello, Charles J., M.A. (Canisius), 1911	Buffalo
Costello, Ruth Regina	Jessup, Pa.
††Cottrill, Delford Lee, B.S. Agr. (Univ. of W. Va.), 1913	Athens, W. Va.
Coursen, Ronald Chester	Salisbury, Md.
†Coutinho, Ramiro da Cunha	Belem, Para, Brazil
†Cowell, Albert Henry, A.B. (Rochester), 1912	Marathon
Covington, William Slaughter	Auburn
†Cowan, Elizabeth Louise	Crawfordsville, Ind.
Cowdick, Myri	Williamsport, Pa.
Cox, Theodosia Leora, A.B. (Vassar), 1916	Winchester, Va.
*Crafts, Mabel Elizabeth	Rochester
Cramer, Florence Mais	Rochester
Cramer, Marguerite	Rochester
Cramer, Molly	Penn Yan
Cramper, Eunice	Flushing
Crandall, Addison Bardshar	Chattanooga, Tenn.
Crandall, Will Giles	Ithaca
*Crane, Leila	Corning
†Crangh, Joseph Patrick, B.A. (Holy Cross), 1914	Jacksonville, Ill.
*Crawford, Anna Nicholson	Brooklyn

Creager, Paul Snyder, A.B. (Penn. Coll.), 1913

Creel, Mary Gertrude

*Cruickshank, Mabel Henrietta

Cuddeback, Julia

Cudney, Effie Marie

Cuffe, Frederic William

Culp, Viola Corine

Culver, Mary

Cummings, Elsie Fenn

Cummings, Eloise Hood

Cummings, James Howell, jr.

Cunneen, Wallace Vincent

Curley, Catharine Marie

*Curtin Harriet Louisa

Curtze, Frederick August

*Cushman, Stewart Allerton

*Cusic, Anna Elizabeth

Custin Carrasco, Charles Albert

Cutler, Miriam Adelia

Cutolo, Francis, jr.

*Daley, Dorothy

*Dallinger, Jacob Francis

Daniels, Mary Esther, A.B. (Barnard), 1908

Daniels, Mildred, Ph.B. (Syracuse), 1910

Dann, Jennie Lee

Davidson, Benjamin Goodell

Davis, Clara Antionette May

Davis, Clara Marie, A.B. (Univ. of Mich.), 1901, M.D. (same), 1904

Davis, Florence Elizabeth

Davis, Frederick Howard

*Davis, Hannah, A.B. (Hunter Coll.), 1916

Davis, Jessica

Davis, Leon Arthur, Ph.B. (Hamilton), 1916

Davis, Llewellyn Howell

Davis, May Agnes

Davis, Victor Hugo, Ph.B. (Alfred Univ.), 1911

Day, Alice Louise

Day, Carolyn

Day, Harold

Deal, Erma Grace

Decker, Eleanor Marshall

†Deevers, Roland Gilliford, A.B. (Westminster), 1902, A.M. (same), 1905

DeGrange, Joseph Tormey, jr.

Dein, Dorothy Ruth

DeLano, Ruth

*Denchfield, Louie Corinne, A.B. (Normal Coll. N. Y. City), 1906

Dennelly, Walter

Dennis, James Franck

†Denny, Mattie Craig

Denton, Edith Martha, A.B. (Vassar), 1912

†Deutsch, Ethel Eleanor

Deutsch, Gertrude Enwyn

*Deutsch, Lillian A.

*Deutsch, Seraine A.

*Dexter, Paul Staunton

Dickinson, Bessie

†Diebner, Anna

*Dienstag, Esther Ruth

Dieter, Lillian Amelia

Dietrich, Arthur Max

Dimick, Emma Katharine

Dimijian, Aram Houssig

Diniz, Waldemiro

*Disinger, Alphasine

Divvens, Albert Braden

†Dix, Stephen Handy, A.B. (Morgan), 1911

Dobbins, Agnes Marie, A.B., 1913

Dockham, George Herring

*Dodge, Mabel Foster

*Dodge, Ruth Lucinda

Dolin, Margaret Mary

Donnelly, Mary Louise

Dougherty, Ella Teresa, A.B. (Hunter), 1907

Dougherty, John Augustus

Dowd, John Donald

*Dowd, Mary Theresa

Doyle, Irene Marie

Doyle, Martha Worrell

Drake, Eliza May

Gettysburg, Pa.

Morgantown, W. Va.

Salem

Toledo, O.

Scotia

Toronto, Canada

Canton, O.

Albany

Philadelphia, Pa.

Pittsburgh, Pa.

Philadelphia, Pa.

Port Jervis

Brooklyn

New York City

Erie, Pa.

East Aurora

Huntington

Havana, Cuba

New York City

Jamaica

Brooklyn

New York City

New York City

Syracuse

Monticello

Sault Ste. Marie, Mich.

Rochester

Lansing, Mich.

Arcade

West Buxton, Me.

New York City

Far Rockaway

West Winfield

Cayuga

New York City

Ithaca

Worcester, Mass.

Swarthmore, Pa.

Mexico

Reisterstown, Md.

Lahore, Va.

Pittsburgh, Pa.

New Orleans, La.

Honesdale, Pa.

Ithaca

New York City

Great Neck Sta.

Freeland, Pa.

Charles-Town, W. Va.

Canandaigua

New York City

New York City

New York City

New York City

Warsaw

Highland

Narcoosus, Fla.

New York City

Pittsburgh, Pa.

Newark, N. J.

Trumansburg

Adabazar, Turkey in Europe

Carmo da Matta, Minas Geraes, Brazil

New York City

Greensburg, Pa.

Pocomoke, Md.

Brooklyn

Manchester, N. H.

Brooklyn

Massena

Utica

Washington, D. C.

New York City

Ithaca

Salamanca

Brooklyn

Elmira

Chester, Pa.

Arcade

Dressler, Ernestine May	Brooklyn
*Driscoll, Julia Teresa	Ithaca
†Driscoll, Lucy Angela	Ithaca
Driscoll, Rose Elizabeth	Ithaca
DuBois, Leslie Wells	Brooklyn
Ducasse, Vidal	Havana, Cuba
*Duhring, Lucy Bryant	Philadelphia, Pa.
Duncan, Gilbert Wade	Pittsburgh, Pa.
Duncan, Natalie Woodland	Phillipsburg, Pa.
Dunn, Raymond Joseph	Hartford, Conn.
†Dunwoody, Halsey, B.S. (Geo. Wash.), 1913	West Point
Dupre, Edna Marie	Brooklyn
Durgin, Margaret Ethel, B.A. (Mt. Holyoke), 1913	Concord, N. H.
Durrant, Arnold Stuart, jr.	Albany
*Dusenberry, Amy Sykes	Bronxville
Dyckman, Richard Pluymert	Orange, N. J.
Earle, Jane Marion, Math. Tripos (Cambridge, England), 1910	Croydon, England
Eastwick, Joseph Lees	Norristown, Pa.
Ebersole, Chapman	Cincinnati, O.
Edie, Lionel Danforth, B.S. (Colgate), 1915, M.S. (same), 1916	Greenwich
Edlund, Sidney Wendell	Brooklyn
Edmunds, Robert Curless	Denver, Colo.
*Edson, Lawrence Dunbar	Philadelphia, Pa.
Edwards, Florence	Herkimer
Edwards, Harry Moore, jr.	Glen Ridge, N. J.
*Edwards, Winifred Alice	Rochester
Ehlers, Louise Catherine	Philadelphia, Pa.
Eisenbeis, Herbert Oscar	Pittsburgh, Pa.
Elliott, Katharine Reed, B.S. (Wellesley), 1892	Plainfield, N. J.
Elliott, Ruth, B.A. (Wellesley), 1910	Plainfield, N. J.
Emerling, Florence Regina	Lackawanna
Emerson, Thera	Ithaca
*Emory, Mary Annette	Washington, D. C.
English, Maude Franzoni	Washington, D. C.
Entwisle, Clare	Philadelphia, Pa.
*Eschenburg, Charlotte	New York City
*Escoll, Sarah	Brooklyn
†Estes, Mary Theresa	Fabius
Evans, Grace Erminia	Lancaster, Pa.
*Eves, Bertha M.	Brooklyn
Extance, William Levi, jr.	Brooklyn
Ewing, Helen Agnes	Mt. Union, Pa.
Eyster, Charles Warren	York, New Salem, Pa.
von Fabrice, William Karl, B.S., 1914	Wilton, Conn.
*Faেকে, Clara Erna	Angelica
Fahy, Charles Harold	Rochester
Fairchild, Edwin Bradley	Manila, P. I.
Fanning, Edith Dean	Whitestone
†Farnham, Edith Anna, A.B. (Wellesley), 1914	West Newton, Mass.
Fawcett, Walton Baker, B.S. (Hamilton), 1911, M.S. (same), 1914	Ridgewood, N. J.
*Fayer, Charles	Elmhurst
†Fehr, William Henry, A.B. (Huhlenberg), 1897, A.M. (same), 1901	Dushore, Pa.
Feldsine, William Carroll	Poughkeepsie
Felix, Frank Chester	Pittsburgh, Pa.
Ferrer, Francisco Jose	Consolacion der Sur, Cuba
†Fillmore, Macenda Morgan	Buffalo
Finch, Frank Rundio	Roseton
Finegan, Louis Anthony	Brooklyn
Finkelstein, Merwin Jesse	Wellsboro, Pa.
*Finneran, J. Leo	North White Lake
Fischer, Herman Charles, Ph.D. (Fribourg Univ.), 1907	Columbus, O.
Fish, Elinor Mary	Ithaca
Fisher, Elizabeth Berger	Philadelphia, Pa.
Fisher, Katharine	Buffalo
Fisher, Marion Cornelia	Ithaca
Fisher, Mary Jones, A.B., 1906	Denton, Md.
Fitzelle, Albert Edward, B.S. (N. Y. Univ.), 1911	Oneonta
*Fitzelle, (Mrs.) Ruth Thornton, B.A. (Elmira), 1912	Oneonta
*Fitzpatrick, John Leo Wallace	Rochester
Fitzpatrick, Philip Wright	St. Paul, Minn.
Fiberty, Eugene Francis, A.B. (Colgate), 1911	Hamilton
*Fiberty, (Mrs.) Theresa Lynch	Hamilton
Fletcher, Alice Virginia	Nashua, N. H.
Fleischer, Irene	New York City
†Fleming, Carrie Orr, B.A. (Barnard), 1910	Brooklyn
Fleming, Ethel Marie	Pittsburgh, Pa.
Fleming, Jean Louise	Huntingdon, Pa.
Fletcher, (Mrs.) Addie Emerson	Windsor, Conn.

Fletcher, Daniel Howard, A.B. (Harvard), 1899, A.M. (same), 1913

Fletcher, Irving John

Fletcher, Robert James

Flynn, Edward James, A.B., 1909

†Fonda, Cornelia Dockstader

Fonda, Lucie Gladys

†Forchheimer, Estelle, B.A. (Hunter), 1893, Pd.M. (N. Y. Univ.), 1896, B.S. (Hunter), 1915

Forcey, Helen

†Foresman, Edwin Clyde, A.B. (Lafayette), 1911

Fox, DeForest Eben

Franco, Carlos Gonzaga

Frank, Armin Charenton

Frantz, Etha Marie

*Franz, Julia Elizabeth

Franzheim, William Alfred

*Fraser, Bessie Grant

Fraser, Russell Andrew

Freedman, Bertha

Freedman, Louis

Frerichs, Clara E.

Freund, Esther Mildred, A.B. (Hunter), 1915

Freudenthal, Louis Edwin

Frew, Nancy, Ph.B. (Grove City Coll.), 1898

Freyberg, Margaret

Freyer, Gertrude Grace

Freyre de Andrade y Escardo, Juan Pedro

Fries, Anna Marie

Fries, Madeline

Fulkerson, Jessie Elizabeth

Gable, Amelia Augusta

Gable, Emma Elizabeth

Gager, Howard Winthrop

Galland, Walter Isaac, A.B., 1911

*†Galloway, Thomas Oran, B.S. Agr. (Univ. of Ga.), 1909

Garden, Helen Mary

†Gardiner, John Caldwell Corliss

*Gardner, Evelyn

Garrett, Mitchell Bennett

Garrison, Hilda Janet

*Gartelman, Marie Elizabeth

Garver, Paul Leslie

Gary, Herbert Laird

Gaskell, Edith Margaret

*Gates, (Mrs.) Barbara Mineur

†Gates, Edmund Jayne, A.B., 1915

Gates, Harold Foster

Gatwood, Elden J.

Gaus, Albert Reinhard

*Gause, Angie Leah

Gaver, Ella Fairbanks

Gaynor, Madeline Agathe

Gebhard, John Charles

Geiger, Martha Elizabeth

Geiger, Rowena Kreider

†Geoghan, Agnes E.

Gerber, Minnie

Gibbs, Helen Louise

Gibson, Arthur Edward

*Giesser, Rosina Louise

Gilcher, Ralph John

*†Giles, John Kyrgress, B.S.A. (Univ. of Ga.), 1909

Gilkey, Gladys Fay

Gillespie, Mary Anita

Gillett, Maurice Edwin

*Gilman, Charles Frank

*Ginsberg, Annie

Girard, Peter Fred, jr.

Glascock, Laurabelle

Glenzing, William Lex

Glick, Harry Naylor

Globisch, Bertha Sophia, Ph.B. (Dickinson), 1911, A.M. (same), 1912

Gminder, Elizabeth

Goldman, Meyer

Goldstein, Lemuel Caro

Goodier, Warren Alonzo, A.B. (Colgate), 1908

*†Goodrich, Joseph Ezra, B.S. (N. H. State Coll.), 1904

*Gordon, Mary

Gothard, Ruth Imogen

Windsor, Conn.

New Britain, Conn.

New Britain, Conn.

Johnstown

Fonda

Brooklyn

New York City

Beech Creek, Pa.

Lawrenceville, N. J.

Worcester

Sao Paulo, Brazil

Milwaukee, Wis.

Glen Morris P. O., Md.

Brooklyn

Wheeling, W. Va.

New York City

New York City

Sea Cliff

Sea Cliff

Lakewood, O.

New York City

Solomonville, Ariz.

Grove City, Pa.

Reed City, Mich.

New York City

Havana, Cuba

Phoenixville, Pa.

Brooklyn

Dryden

Pittsburgh, Pa.

Pittsburgh, Pa.

Columbus, O.

Wilkes-Barre, Pa.

Barnesville, Ga.

Wheeling, W. Va.

New York City

New York City

Lineville, Ala.

Hopewell, N. J.

New York City

Buffalo

Ashtabula, O.

Ellenville

Ithaca

Wilkes-Barre, Pa.

Oneida

Albion, Ind.

Pittsburgh, Pa.

Quarryville, Pa.

Orrville, O.

Elmira

New York City

Reading, Pa.

Philadelphia, Pa.

Buffalo

Germantown, Pa.

Ithaca

Brooklyn

Buffalo

Danville, Ky.

Athens, Ga.

Ithaca

Tazewell, Va.

Niagara Falls

Ithaca

Brooklyn

Plattsburg

Crawfordsville, Ind.

Brooklyn

Woodbine, N. J.

Lancaster, Pa.

Baltimore, Md.

Norma, N. J.

New York City

Eaton

Brunswick, Me.

Avoca, Pa.

Memphis, Tenn.

Graham, Vi Arvin	Richmond, Va.
Gram, Naomi Rose	Buffalo
†Granger, Henry Calvin	Goshen
Grant, Wilbur Franklin	Ithaca
Gratrick, Cora Jane, Ph.B. (State Nor. Col.), 1906	Medina
Gray, Joseph Howard	Buffalo
Gray, H. Paul	Pine Plains
Green, Beulah Reece, A.B. (Swarthmore), 1910	Swarthmore, Pa.
Green, Eleanor Burgess, A.B. (Wellesley), 1892	Providence, R. I.
*Green, Oliver Meakins	Ithaca
*Green, Robert Sylvester	Brooklyn
Greene, Grace Winter, A.B. (Swarthmore), 1913, A. M. (U. of Penn.), 1916	Dover, Del.
*Greenfield, Frieda	New York City
*Griffin, Edna Mae	Ithaca
Griffith, Ella Porter	Madison, Ind.
Grigson, William Herbert	Westfield, Pa.
Grover, Lucy Barrett	Middletown Sprs., Vt.
Grow, Harold Jennings	East Orange, N. J.
*Guernsey, Eupheme Irwin	Yonkers
Guernsey, Mary Ryder	Ithaca
*Guiles, Marion Hitchcox	Elmira
Gunther, Walter	Mendham, N. J.
Hacker, Everett Louis, A.B. (Harvard), 1914	Boston, Mass.
*Hackett, Irene Alice	Brooklyn
Hagadorn, Maria Louise	Canajoharie
*Hagemann, Christian Frederick	Yonkers
*Hagerty, Elizabeth Rose	Brooklyn
Haggart, William Henry Robinson	Fargo, N. Dak.
Haig, Warren John	Buffalo
†Halbert, Anna Evelina, B.A. (Adelphi), 1908	Richmond Hill, L. I.
*Halsted, Margie Helena, B.A. (U. of Rochester), 1912	Rochester
Hamilton, Carrie Endslow	Altoona, Pa.
Hamilton, Robert Warren	Providence, R. I.
*Hammond, Girard	New York City
Handuerger, Harry	Baltimore, Md.
Hanighen, John Joseph, jr.	Omaha, Neb.
Hansen, Ralph	Fort Ann
*Hansford, Frances Pierce	New York City
Hanson, Mabel Carolyn	Jamestown
Harbers, Helene Gerda	Brooklyn
Harding, John Phelps	Saranac Lake
Harlow, Virginia, B.A. (Mt. Holyoke), 1913	Auburn
Harner, Mildred Geraldine	Duquesne, Pa.
Harris, Elva A.	Canandaigua
Harris, Frederick Mack	East Orange, N. J.
Harris, Lillie May	Johnstown, Pa.
Harris, Marjorie Silliman, B.A. (Mt. Holyoke), 1913	Wethersfield, Conn.
Harris, Martha Elizabeth	Duryea, Pa.
Harrison, Elizabeth Follansbee	Bloomfield, N. J.
Hart, Jessie Mabel	Philadelphia, Pa.
*Hart, Lewis Raymond, B.S., 1916	Ithaca
Hart, Mildred Goldberg	Fredonia
Hartman, Eva Katharine	Lymport, Pa.
Hartmayer, Herbert	Buffalo
*Hartshorn, Maretta Augusta	Hamilton
Hassinger, Howard Henry	Buffalo
*Hastings, Irma Elizabeth	New York City
Hatch, Roy Raymond	Mt. Hermon, Mass.
Havey, Joseph Perry	Yonkers
Hawkins, Mary	N. Adams, Mass.
Hawks, Howard Winchester	Glendon, Cal.
Hawley, Frank Wesley	Huntington, Ind.
†*Hayes, John Barry	Madison, Wis.
*Hazen, Ida Evelyn	Hudson
*Head, Harriet Fragier, A.B. (Bryn Mawr), 1891	Germantown, Pa.
Healey, Kate Louise	Binghamton
Heartfield, Maurice Kingsley	Newburgh
*Hedrick, Mabel	Ravena
Heidt, Florence Louise	Erie, Pa.
Helfer, Louise	Naples
Helfrich, Lester A.	Pleasantville, N. J.
Heller, Wilhelmine	Brooklyn
Hemphill, Rayburn Weeks	Akron, O.
Hendershot, Lewis Beardaley, B.S., 1914	Rochester
Henderson, Caroline Beryl	Vineland, N. J.
*Hendryx, Harriet Evelyn	Ithaca
Henry, Lillian	Millville, N. J.
Heraty, Edna	Bayonne, N. J.
Herandez-Orpi, Enrique	Camajuani, Cuba

†Herrick, Millie Bell, A.B. (Elmira), 1894
 Hessey, Ruth Sherwood, B.A. (Adelphi), 1913
 Hicks, Ralph
 Higbee, Edwin Converse
 Higgs, Kenneth Webber
 *Higley, Elizabeth Alice
 Hill, Margaret Agnes
 Hill, Phillip Snyder
 Hills, Mildred Frances
 Hinchman, William Rossiter
 Hird, Grace Virginia
 Hirsh, Ben Walter, jr.
 Hirsh, Edward William
 Hoch, Emily Caroline
 †Hochheimer, Rita, A.B. (Barnard), 1909
 Hock, Howard William
 Hockenberger, Lillian Belle, A.B. (Smith), 1911
 Hofeller, Neville Kaiser
 Hoffman, Harry Brooks
 *Hoffman, Herbert Weis
 Hogan, John Meredith
 Hogan, Mary Catherine
 Holden, Hallie Kelley
 Hole, Myra Cadwalader
 *Hollis, Henry French, jr.
 Hollis, John Coonley
 Holmes, Ethel Harriet
 *Holst, Paul Ström
 Holt, Thomas Baird
 *Hook, Flora Emma, Ph.B. (Syracuse), 1907
 Hootman, Grace Marguerite
 *Hopkins, Pamela Jane
 Horton, Edith Dudley
 †Horton, Fredrika Bremer
 *Horton, Harding Fred
 †Horton, Norma Celestia Tingly
 *Horton, Raymond Augustus
 Hoshall, Harry Benton, B.S. in M.E. (Maryland Agr.), 1908
 Houston, Horace King
 Houtz, Charlotte Elenore
 Howard, Thornton Wayne, B.E. (Univ. of Oregon), 1915
 Howe, Winifred Clara
 Howell, Charles James, jr.
 *Howell, Anna Clement
 Howerth, Herbert Joseph
 †Howgate, Henry Otis
 Howland, Lloyd Emmer
 Huang, Kuang
 Hubbard, Stanley Tyler
 Hubbell, Henry Willard
 Hughes, (Mrs.) Bertha Deane
 *Hughes, Gertrude
 Hull, Laura Frances
 Hunkin, Samuel Everett
 *Hunninghaus, Frederick O. von Preuss
 Hunsicker, Mame
 Hunt, Earle Cole
 †Hunt, Shirley May, A.B. (Smith), 1901
 Hyde, Harriette, B.A. (Wellesley), 1915
 Hyde, Richard Lewis
 Hyman, Lillian Milnor

Ingersoll, Clayton Caskey
 Ingersoll, Jennie Margaret
 *Ingram, Christina Porter
 Irish, William Mitchell, 3rd
 Irwin, Agnes
 Ivins, Maurice Harvey
 Jackson, Elizabeth Ellis
 Jackson, William Brinckerhoff
 Jacob, Elsa Blanche
 †Jacobs, Adeline Hyneman, B.Sc. (U. of Penn.), 1902
 Jacobs, Emilie Van Beil
 Jaeger, William Christian
 Jameson, Marion
 *Jamison, Jennie Denil
 Jampol, Max
 Jayne, Lester Hand
 Jenkins, Mary Elizabeth
 Jennings, Marguerite

Binghamton
 Brooklyn
 Westbury
 Cleveland, O.
 Lyndonville
 Brooklyn
 College Pt., L. I.
 Oak Park, Ill.
 Mt. Vernon
 Brooklyn
 Interlaken, Mass.
 Memphis, Tenn.
 Philadelphia, Pa.
 Reading, Pa.
 New York City
 Cressona, Pa.
 Union Hill
 Buffalo
 Elmira
 Rochester
 Taylorville, Ill.
 New York City
 Philadelphia, Pa.
 Washington, D. C.
 Washington, D. C.
 Concord, Mass.
 Corning
 Tarrytown
 Ithaca
 Waterville
 Greencastle, Ind.
 New Rochelle
 Ithaca
 Augusta, Ga.
 Ithaca
 Augusta, Ga.
 Chenango Forks
 Parkston, Md.
 Chicago, Ill.
 Muir, Pa.
 Oregon City, Ore.
 Alfred
 Camillus
 Bath
 Shamokin, Pa.
 Greenwich, Conn.
 Shortsville
 Canton, China
 Mt. Vernon
 Norwalk, Conn.
 Utica
 Ithaca
 Otego
 Cleveland, O.
 Brooklyn
 Lehigh, Pa.
 Binghamton
 Pawtucket, R. I.
 Watertown
 New York City
 Williamsport, Pa.
 Rockford, Ill.
 Angola
 Rochester
 Philadelphia, Pa.
 Kojimackiker, Tokyo, Japan
 Ithaca
 Tazewell, Va.
 Silver Spring, Md.
 Honesdale, Pa.
 Philadelphia, Pa.
 Philadelphia, Pa.
 Brooklyn
 Ogdensburg
 New York City
 New York City
 East Setauket
 Bethlehem, Pa.
 Canastota

- Jennings, Robert Edward
 Johnson, Charles Enen, 2d
 Johnson, Lola
 Johnson, Mary Teresa
 Johnson, Ruth, A.B. (Smith), 1913
 Johnson, Jane, B.A. (Penn. Col. for Women), 1915
 Johnson, Mary Margaret, A.B. (Wilson), 1910
 Jones, David Oswald
 Jones, (Mrs.) Louise Watson
 *Jones, Miriam Catharine
 Journeay, Bernice Evelyn
 Kahn, Katherine
 Kaneko, Shotaro
 Kao, Chiensye Yang, B.A. (Soochow), 1915
 *Karelsen, Beatrice, B.A. (Hunter), 1913
 Karp, Marie Antoinette
 †Karr, Harold Joseph
 †Katz, Frederick Leopold
 Kays, Amelia Ogden, A.B. (Vassar), 1905
 Kays, Mariel Ryerson, A.B. (Vassar), 1909
 Keim, Agatha Christeen, Ph.B. (Alfred U.), 1914
 Keinard, Sara Genevieve
 Keller, Edith Myrtle, B.A. (Ohio State), 1908
 *Kelley, Emma Cornelia, B.A. (Barnard), 1915
 Kelley, Marie Evangeline
 *Kelly, Alfred Bartholomew
 Kelly, Eleanor Mary
 Kelly, Eva Hope
 Kelly, John Spencer
 *Kelsey, Lydia Leah
 Kemmerer, Esther
 Kemmerer, Mildred
 Kennedy, Frank Atkinson
 Kennedy, James Arthur
 Kennell, Lester Spruce, A.B. (Rochester), 1913, A.M. (same) 1915
 Kenyon, Owen Henry
 *Kephart, Barbara
 Kerr, William Thompson
 *Kessler, Bertha Elizabeth, A.B. (Elmira), 1916
 Kimble, James Norman
 Kincaid, Margaret
 King, Helen Maxwell, A.M. (Olivet, Mich.), 1908
 King, Leslie Whiting
 King, Lida Shaw, A.B. (Vassar), 1890, A.M. (Brown), 1894
 †Kircher, Stacy George
 Kirk, Mary Mercer
 *Kirkpatrick, James Douglas, A.B. (Harvard), 1904, M.A. (Yale), 1912
 Kiso, Anna
 Kiso, Mary
 *Klein, John Joseph, A.B., 1913, A.M., 1914
 *Klein, Sophia Hermoine
 Klepper, Helen Matilda
 Kline, Estella
 *Knapp, Cora Marie
 Knapp, Thomas Phillips
 Knappenberger, Martha Olive
 Knowlton, George Edgar, jr.
 Koch, Amelia
 †Koch, Henrietta Andrea, B.A., 1913
 Kohn, Joseph Anthony
 Konkle, Winifred Perry
 Korb, LeRoy Hauck
 Korff, Harry Otto
 Krantz, Eda Margaret
 Krivulin, Ida, B.A. (Hunter), 1913
 *Krivulin, Katharine Alexandra, B.A. (Hunter), 1899
 Kroege, Richard Clark
 Ka, Chen
 Kuhn, Mildred Josephine
 Kulp, Isabella Nancy
 Kuzman, Mamie Esther
 Kuzze, Emma Gertrude, A.B., 1901, A.M. (U. of Pa.), 1910
 Kutner, Anna Warwick, A.B. (Vassar), 1911
 Kwana, Hon-Kwong
 Kwei, Chi-ting
 *Lackie, Harry Mervyn, B.S. (I. S. C.), 1915
 Lay, Frances
 Laird, John Evans
 Laitan, Athenais Marie Theresa (Columbia Summer School)
- Menominee, Mich.
 Lansdowne, Pa.
 Washington, D. C.
 Pawtucket, R. I.
 Woburn, Mass.
 California, Pa.
 Chambersburg, Pa.
 Venedocia, O.
 Juniata, Pa.
 Worcester
 Tottenville
 New York City
 Maibashi, Japan
 Shanghai, China
 New York City
 Rochester
 Newark, N. J.
 Riverside, Conn.
 Newton, N. J.
 Newton, N. J.
 Olean
 Phoenixville, Pa.
 Delaware, O.
 Brooklyn
 Lawrence, Mass.
 Ithaca
 Hudson, Mich.
 Brooklyn
 Albany
 Harrison
 Lehigh, Pa.
 Allentown, Pa.
 Pensacola, Fla.
 Dannemora
 Rochester
 Adams
 Ithaca
 N. Tonawanda
 Mexico
 Beaver Dams
 Brooklyn
 Coxsackie
 Brookline, Mass.
 Providence, R. I.
 Mt. Vernon
 Doylestown, Pa.
 New York City
 Richmond Hill, L. I.
 Richmond Hill, L. I.
 New York City
 Duquesne, Pa.
 Greencastle, Pa.
 Pennsburg, Pa.
 Rochester
 Waverly
 Jeannette, Pa.
 Ridgewood, N. J.
 Buffalo
 Brooklyn
 Ithaca
 Swarthmore, Pa.
 Newark, N. J.
 Baltimore, Md.
 Honesdale, Pa.
 New York City
 New York City
 St. Louis, Mo.
 Wushih, China
 Buffalo
 Harrisburg, Pa.
 Stone Church, Pa.
 Philadelphia, Pa.
 Wilkes-Barre, Pa.
 Hankow, China
 Shasi, China
 Bradford, Ill.
 Raleigh, N. C.
 Freehold, N. J.
 Cleveland, O.

- †Laitem, Louise
 Lake, Irma
 †Lalley, Walter Rowe
 *Lamarre, Louise
 *Lambert, Marion Willard
 Landon, Alice
 Landru, Alice Emilie, A.B. (Hunter), 1903
 *Lane, Hazel Belle
 Lang, Helen E.
 Lange, Edward Fred
 Lanman, Edith Hamilton, A.B. (Radcliffe), 1914, A.M. (U. of Cal.) 1915
 †Lanning, Harriet Mason
 Larkin John Vincent
 Larkin, Joseph Sylvester, jr.
 La Rouette, Carolyn Edith
 Lasher, Norman Valentine
 Lask, Clara
 de Laski, Edgar Gustave
 Lattin, Jay Drake Billings, A.B., 1911, B.S., 1912
 Lau, Kwai Chenk
 Lau, Lo Naam
 Lautenbacher, Ruth Ann
 Lawrence, Agnes Alberta
 Lawrence, Bertha
 Lawrence, Walter Henry
 Lawson, Sallie Brown
 †Lazear, John McKelvy
 Le Coney, Caroline Buzby
 *Lee, Evelyn M.
 Lee, John Lawrence
 *Leidt, Edna Julia
 Leis, Johanna
 *Leonard, Harsey King
 *Letourneau, Firmin, B.Sc. (Oka. Institute), 1915
 Levis, Sarah Elizabeth
 †Levy, Blanche
 Levy, Clara
 Lewis, Emelyn Louise
 Lewis, Marion
 Lewis, Nellie Adelaide, B.A. (Wellesley), 1900
 Li, Chuan-heng
 Liao, Wei Tzu
 Lickley, Mary Ethelyn
 Lighty, Harry Davis, B.A. (Penn. College), 1910
 Lindau, Sigmund Baach
 Linder, Mary Anna
 Lindgren, Helen
 Lindsley, George Lawrence
 Linn, Bonnie Alice
 †Lippincott, Florence Manning, A.B. (Swarthmore), 1912
 *Litchfield, Edward Harvey
 Littlejohn, Elfleda
 Littlejohn, Liska
 Livingstone, Edward Archibald
 Lo, Ying
 †Lockwood, Allen Farnham
 †Loesch, Mary Ann
 *Loeser, John Charles
 *Lohrman, Eva Elizabeth
 Lopez, Francisco Federico, A.B. (Nacinal College), 1913
 Losa, Olga Emily, A.B. (Penn. Col. for Women), 1915
 Low, Chin Wen
 Lowe, Ernest Franklin
 Lowman, Mary Rebekah
 Lu, Yen Chih
 *Lumsden, David Victor
 Lumsden, Mae Jean
 Lund, Gabriel Emanuel
 Lyle, Mary Irvine, B.S. (Caldwell Col.) 1891
 *Lyman, Noun Miner
 Lynch, Lucy Greene

 Ma, Yu Chi
 Mabee, Jennie Elizabeth
 *MacAdams, Kathleen Anne
 *McAllister, Nellie Clare, A.B., 1912
 *McAlpine, Martha Irvine, A.B. (Winthrop N. & L. Col.), 1909
 *Mac Avoy, Isabel Frances
 MacAvoy, Mary Mildred
 McBerty, Ford Hapgood

 Lakewood, O.
 Owsego
 Bridgeport, Conn.
 Cincinnati, O.
 New Brighton
 Buffalo
 Paterson, N. J.
 Port Byron
 Galveston, Tex.
 Schenectady
 Cambridge, Mass.
 Bound Brook, N. J.
 Ithaca
 Pittsburgh, Pa.
 Scottsburg
 Rochester
 New York City
 Weehauken, N. J.
 Albion
 Hongkong, China
 Hongkong, China
 Schuylkill Haven, Pa.
 Ithaca
 Phillipsburg, N. J.
 Corfu
 Pittsburgh, Pa.
 Pittsburgh, Pa.
 Moorestown, N. J.
 New York City
 Springfield, Mo.
 Buffalo
 Brooklyn
 Binghamton
 Quebec, Canada
 Philadelphia, Pa.
 Pittsburgh, Pa.
 Philadelphia, Pa.
 Brooklyn
 Philadelphia, Pa.
 Catskill
 Hongkong, China
 Foochow, China
 Peekskill
 Steelton, Pa.
 Greensboro, N. C.
 Syracuse
 Brooklyn
 Philadelphia, Pa.
 Lima, O.
 Woodstown, N. J.
 Elliottville
 Galveston, Tex.
 Galveston, Tex.
 Washington, D. C.
 Kaing Si, China
 Hannibal
 Ford City, Pa.
 New York City
 Wantagh, L. I.
 Salta, Argentine
 Coraopolis, Pa.
 Shanghai, China
 Plainfield, N. J.
 Johnstown, Pa.
 Shanghai, China
 Ithaca
 Indiana, Pa.
 Christiania, Norway
 New York City
 Syracuse
 Washington, D. C.

 Amog, China
 Ithaca
 New York City
 Ithaca
 Clarkesville, Ga.
 Brownville
 Brownville
 Southbury, Conn.

McCabe, Alice Gertrude	Brooklyn
*MacCabe, Halstead Miller	Brooklyn
McCarthy, Mary Margaret	Buffalo
McCarthy, Ruth W.	Utica
McClay, Cora Henderson	Pittsburgh, Pa.
*McConnel, Murray	Sao Paulo, Brazil
†McCorkle, Marion Willard	Philadelphia, Pa.
McCoy, Daniel Chauncey	Yonkers
*MacDaniels, Frances Cochran, A.B. (Oberlin), 1912	Ithaca
*MacDonald, Irene Isabel	New York City
McDougal, Clyde Cameron	Buffalo
Macedo, Jose Buarque	Rio Janeiro, Brazil
McElroy, Edward Burnham	Erie, Pa.
MacFarland, Marion Pennypacker	West Chester, Pa.
McGee, Sarah Hodgkinson	Homer City, Pa.
*McGinnis, Hestor Massie, B.S. (Tex. A. & M.) 1908	College Sta., Tex.
McGowan, Carolyn Lehman	Cincinnati, O.
McGranahan, Bess	Wheeling, W. Va.
*McGrew, Walter Browning	Chicago, Ill.
McHenry, Carlton Shelhart, Ph.B. (Lafayette), 1908	Danville, Pa.
McHugh, Gertrude Thomasina	Lawrence, Mass.
McIntire, Robbie Earle	Wilmington, N. C.
*McKay, Alice	Buffalo
*McKay, Helen Barnes	Waterford, Pa.
*McKenna, Mary R	New York City
MacKenzie, Robert Emerson	Canton, O.
MacKeown, Isabel Semple	Waldwick, N. J.
McKibbin, Ida Mary	Buffalo
*McLaughlin, James Riggs	Tacoma
McLaughlin, Grace Ennis	Monticello
McLain, Helen, Pd.B. (Indiana Normal), 1912	Claysville, Pa.
McMahon, Mary Louise	Elmira
McMillan, Peter	Newark, N. J.
†MacMonagle, Ruth Vesta, A.B. (St. Lawrence Univ.), 1907	Canton
MacMonnies, Helen DeMelo	Westfield, N. J.
McNamara, Charles Goodwin	Hammondsport
McNamara, Evelyn	Corning
McPherson, Maud Esther, A.B., (Geo. Wash. Univ.), 1905, A.M. (same) 1906	Washington, D. C.
McReynolds, Edith, B.A. (Univ. Cincinnati), 1899	Cincinnati, O.
*McStocker, Francis Blakeley	Honolulu, Hawaii
*MacWhorter, Mabelle Vassar	Ithaca
*Mahoney, Stephen Joseph	Buffalo
Mallory, Margaret Lord	West Hartford, Conn.
*Malone, Eleanor Florence, A.B. (Hunter), 1905	New York City
*Malone, Evelyn Genevieve, A.B. (Hunter), 1911	New York City
Malone, Erwin Lionel	Pittsburgh, Pa.
Maloney, Louis Brown	Watkins
Maloney, Maxie Reaves	Pittsburgh, Pa.
Maloney, William Michael	Perth, Ont.
Manchester, Lena Alice	Homer
†Mank, Edith Webster, B.A. (Mt. Holyoke), 1913	Lawrence, Mass.
Mann, Carroll Lamb, B.S. (N. C. A. & M. Col.), 1899, C.E. (same) 1906	West Raleigh, N. C.
†Manning, Florence Veronica	Corneopolis, Pa.
Mans, Edith Irene	Hazleton, Pa.
*Marion, Teresa Gertrude	Waterloo
Markley, Paul Louis, jr.	Rockford, Ill.
†Marks, Ruth Gladys, A.B. (Hunter), 1913	New York City
Marland, Alice Anna	Corning
Marr, Margaret Barber, B.A. (Swarthmore), 1914	Swarthmore, Pa.
Marsh, Jeanie Stevenson	Lisbon, N. D.
Marsh, Marion Irene	Brooklyn
Marshall, Elizabeth, A.B. (Mt. Holyoke), 1910	Waterloo
*Martin, Blanche Elizabeth	Mt. Vernon
*Martin, Clara Alice	Pierrepont Manor
*Martin, Florence Irene, A.B. (Smith), 1912	Brooklyn
Martin, John Ward	Chicago, Ill.
Martin, Norman George	Roselle, N. J.
Martin, Victor Kinnaman	Buffalo
Martins, Abilio Pinto	Rio de Janeiro, Brazil
Masi, Frank Henry	Norfolk, Va.
*Mason, Mary Maxine	Ithaca
Mathews, Frances	Valois
†Matteson, Estella Myrtle	West Oneonta
Mathews, Alexander Ferdinand	Lewisburg, W. Va.
Matthews, Paul Denison	Wilmington, Del.
Mawha, James Kenneth	Newark, N. J.
*Mayham, Ida Charlotte	Buffalo
*Meler, Caroline Magdalen	Rochester
Melberger, Grace Foster	Hartford, Conn.
Mellen, Arthur William, jr.	New York City

- Menocal, Jacinto John G'de
 Merrick, Lester Finney
 Merrill, Enid
 *Merrill, Robert Dietz, B.S., 1915
 *Merriman, Paul Rossiter, A.B. (Miami), 1903
 Mcrwin, Elsie Gertrude
 Metzger, Dorothy
 Metzger, Emily
 Meyer, Nita Gertrude
 Michler, Mabel Catharine, A.B. (Alfred), 1915
 Miles, George Swiggart
 Miller, Cyrus W.
 Miller, Dorothy Olive
 *Miller, Florence Chester
 Miller, Lura Bell
 Miller, Marion Charlotte, B.Ph. (Denison), 1914
 *Miller, Martha Himes
 Miller, Robert Bemis, B.S. (Denison), 1914
 Mills, Allison Curtis
 Mills, Emily W.
 *Mills, Marjorie Cooley
 Mills, Rhea Beatrice
 *Minns, Lua Alice, B.S., 1914
 Miranda, Rafael Joseph
 Misner, Edward Gardner, B.S., 1913
 Mitchell, Charles Malcolm
 †Mitchell, Marguerite
 Mitchell, Mary Madalene
 *Moakley, Mildred Anna
 Moffitt, Robert Colborn
 Mohl, Edith Luther
 Moise, Lucius Clifton, B.A. (S. C. Col.), 1901
 *Monahan, Julia Helen, A.B. (Hunter) 1903
 Montani, Anthony
 †Montes, Carlos
 Moon, Charles, B.S. C.E. (West Va. Univ.), 1910
 *Mooney, Edward Samuel
 *Mooney, Mary Cecilia
 Moore, Adda Wallace
 Moore, Raymond Wheatley
 *Moore, Sylvia Harriet Florence
 Moorhead, Rubie Alberta
 †Moran, Clement, A.B. (Defiance, O.) 1910,
 Morey, Catherine Isabel
 Morgan, Bertha
 *Morgan, Daniel Stentz
 Morgan, Katherine Lincoln
 Morris, Dellos Inman
 *Morris, Ethel Mae
 †Morris, Winifred
 Morrison, Frederick Maurice
 Morrison, John Alexander
 Morse, Deborah
 Morse, Sarah Ida
 Morton, John Waller
 Moseley, Alexander Willett, B.S. (Mass. Inst. Tech.), 1891
 *Moseley, Elizabeth Bragdon, Ph.B., (Northwestern Univ.), 1900, A.M. (Minn.), 1916
 Moses, Fannie
 Mourhess, Mary Harriett
 Mowen, Aleen Kahle
 Moyer, Violet
 Mueller, Bertha J.
 Mueller, Lucien Wilbur
 Mullen, Fred Berry
 Muller, Antoinette
 Munsick, David Roger
 *Munson, Martha
 Munson, Robert Phillips
 Murphey, Will Brown
 Murphy, Genevieve
 *Murphy, Ida Janet
 Murphy, Mary Agatha
 Murray, Paul Evans
 †Musgrave, George Wallace, B.S., 1915, M.S. in Agr., 1915
 Myrick, Ruth Evelyn
 Nakamoto, Goichi
 Nash, Andrew Harold
 Neate, Nathan Menzo
 Chaparra, Cuba
 Hamilton, Ont., Can.
 Boston, Mass.
 Schoharie
 Medina
 Leeds, Mass.
 New York City
 Brooklyn
 Detroit, Mich.
 Hornell
 Union City, Tenn.
 Brooklyn
 Brooklyn
 Brooklyn
 New Woodstock
 Salamanca
 New York City
 Salamanca
 Gloversville
 Brooklyn
 Sherbrooke, Que., Can.
 Waverly
 Ithaca
 Ithaca
 Ithaca
 New York City
 Parkesburg, Pa.
 Ithaca
 Ithaca
 Wallace, Idaho
 Reisterstown, Md.
 Sumter, S. C.
 New York City
 Indianapolis, Ind.
 La Paz, Bolivia
 Morgantown, W. Va.
 Dansville
 Yonkers
 Kenton, O.
 Kensington, Md.
 Ithaca
 Wilkinsburg, Pa.
 Black Run, O.
 Buffalo
 Ithaca
 Uniontown, Pa.
 Philadelphia, Pa.
 Auburn
 Perry
 Dover, Del.
 Ithaca
 Philadelphia, Pa.
 Halcott Center
 Providence, R. I.
 Washington, D. C.
 Evanston, Ill.
 Evanston, Ill.
 Baltimore, Md.
 Corning
 Lima, O.
 Penbrook, Pa.
 Philadelphia, Pa.
 Decatur, Ill.
 Jamaica
 New York City
 Maplewood, N. J.
 Windham
 Medina
 Baltimore, Md.
 Pittsburgh, Pa.
 Bedford Hills
 Chelsea, Mass.
 Washington, D. C.
 Scranton, Pa.
 Providence, R. I.
 Hilo, Hawaii
 Washington, D. C.
 Falconer

Nelson, Ellen Gardner
 Nesbitt, Mary
 Neukom, Anna Mathilde, A.B. (Syracuse), 1912
 Newton, Edward Martin, jr.
 †Newton, Lester Charles, A.B., (Hamilton), 1908, A.M. (same) 1911
 Newton, Muriel
 †Nicholas, Helen Grace, A.B., 1914
 Noar, Gertrude
 Nolan, James Francis
 †Norcross, Arthur Dickipson, jr.
 Nord, Arthur M.
 Norris, Olive Katherine, A.B. (Oberlin), 1900
 Norton, Charles Erastus
 Nute, Mary Louise, B.A. (Univ. of Cincinnati), 1913
 *Nye, Ruth Hammond

Oagley, Edith Brooks, Ph.B. (Syracuse), 1910

O'Brien, Charles X.
 O'Brien, Helen Frances James
 O'Connor, Alice Elizabeth
 O'Connor, Edward Francis
 O'Connor, Frances Patricia
 *Oetjen, Helen Elsa
 *Oetjen, Wilhelmine Sophie
 *Oldfield, Stacie
 O'Leary, Eleanor Frances
 O'Leary, James Hallen
 Olsen, Arthur
 Oppenheimer, Henry Edwards, jr.
 Orme, Charles Dickerson
 *Orvis, Florence LeMoyne
 *Oswald, Charles Lewis
 Oteiza, Pablo Benigno
 Ottey, Grace Lillian
 Overfield, Frank Paul
 Owen, Carroll Hepburn

Pacello, Vincent Joseph
 Palmer, Charles Blakelee
 Palmer, Mary Bell
 Palmer, Maud Alice
 Palmer, Robert Judson
 Parsons, Edith A.
 Parmenter, Hattie May, B.A. (Colby), 1889
 Patchel, Margaret Mary
 †Patterson, George William, B.S. (N. Y. Univ.), 1916
 Patterson, Ruth Mary
 Paul, Katharine Stevenson
 Paul, Margaret Alexina
 Paulding, Margaretta Eckfeldt
 Paullin, Martha Grace
 Pawar, Ramchandra Raoji, B.A., (Elphinstone, India) 1908, LL.B. (same) 1908, A.M. (New York Univ.) 1915

Payne, Vera
 Pearl, Ida L.
 *Pearnell, Mary Grace
 Pease, Rodney Wesson
 Pease, Ruth Elizabeth
 Peet, Elizabeth
 Pellow, Frederick Lawrence
 Pennington, Victor Power
 Penwarden, Kathryn Olive
 Perkins, Charles Stuart
 Perkins, Margaret Hill
 *Persson, Elizabeth
 Peters, Esther Mary, A.B. (Ursinus), 1914
 Pfeiffer, Weyland
 Phelps, Martha Seymour
 Phillips, Carrie May
 *Phillips, Juda Anna
 Phillips, Mary Antoinette, A.B., 1901
 *Phipps, Emma Virginia
 Pike, Mary Elizabeth
 Pines, Anna Martha
 Piese, Robert Lyons
 *Pitts, Carrie Anita Townsend
 Place, Hermann Gauntlett
 Place, Margaret Eola, Ph.B. (Alfred), 1913
 Place, Willard Fiske
 Polk, Harrison Jackson

Antrim, N. H.
 Moundsville, W. Va.
 Binghamton
 Ithaca
 New Harford
 Ithaca
 Philadelphia, Pa.
 Philadelphia, Pa.
 Phillipsburg, N. J.
 New York City
 Jamestown
 Spencer
 Byron
 Norwood, O.
 Auburn

Norwich
 Elmira
 Swarthmore, Pa.
 Oswego
 Watertown
 Providence, R. I.
 New York City
 New York City
 Corning
 Washington, D. C.
 Clayton
 S. Norwalk, Conn.
 New York City
 Atlanta, Ga.
 Hamilton
 Keuka Park
 Cienfuegos, Cuba
 Philadelphia, Pa.
 Tunkhannock, Pa.
 Millville, N. J.

Port Chester
 N. Tonawanda
 Charlotte, N. C.
 Ithaca
 Brooklyn
 Washington, D. C.
 Waterville, Me.
 Philadelphia, Pa.
 New York City
 Schenectady
 Philadelphia, Pa.
 Philadelphia, Pa.
 Daretown, N. J.
 Bridgeton, N. J.
 Baroda, India
 Ithaca
 Hartford, Conn.
 Trumansburg
 Buffalo
 Oswego
 Washington, D. C.
 Rochester
 Ithaca
 Honesdale, Pa.
 Newark, N. J.
 Pittsburgh, Pa.
 Solvay.
 Slatington, Pa.
 Scarsdale
 Pittsburgh, Pa.
 Troy, Md.
 Crown Point
 Syracuse
 Buffalo
 Seattle, Wash.
 Lewisburg, Pa.
 Chicago, Ill.
 Nunda
 New York City
 Alfred
 New York City
 San Antonio, Texas

- Polson, Alexander Vivian, B.A. (Univ. of Manitoba), 1914
 Pond, Edward Herman, A.B., (Allegheny), 1883, (same) 1886, A.M., M.D. (Univ. of Mich.),
 1886
 †Pond, Martha, A.B. (Univ. of Chicago), 1907
 *Poole, Ragnhild Christine Ramstad
 Poore, Leonard Lee
 *Pope, Ethel Martin
 Porter, Harry Wray
 Post, George Birkbeck
 Potter, Grace
 Powell, Carol
 Powell, Laura Augusta
 Pratt, Marion, A.B., 1900, A.M. (Syracuse), 1902
 Prentice, Thomas Harold
 Price, David Garrison
 Price, James David
 Price, Ralph Lee
 Prieto, Ferdinand Garcia
 Prince, Philip St. George
 Prindlo, Helen Olivia
 Printz, Helen Marie
 *Proctor, Erna Elizabeth
 †Prucha, Edward Joseph, B.S.A. (Wisconsin), 1915
 †Prucha, Katherine Schladweiler, B.A. (Wis.), 1911
 Pujol, John B.
 Pulford, Henry Lloyd
 Purdy, Charles Wesley
 *Purdy, Dorothy Winifred
 Purpura, Ida Frances
 *Putnam, Dwight Field, Ph.B. (Syracuse), 1911
- Quayle, Harry
 Quick, Martha Edith
 Quick, Mary Adelia
 Quinn, John Joseph, jr.
- †*Raferty, Esther Kathryn, B.A. (State Coll.), 1911
 Ragotzky, Charlotte Auguste
 Raitt, Anna Hall, B.A., (Univ. of Cincinnati), 1911, M.A. (same) 1912
 Ralston, Mary Alene
 *Ralyea, Clutha Elizabeth, B.A. (Vassar), 1915
 Ramsay, Charles Henry
 Ramsay, Thomas Moore
 †Ransom, Pearl Euphema, A.B., 1909
 Rapp, George Washington, jr.
 *Rawlings, Gladys Louise
 Raseman, Richard Perrien
 Read, Aileen DeRonda Dorothea
 Read, Everett Charles
 Read, Stuart Arthur
 Ream, Fern
 Redwood, John Percy
 Reed, Ada Amanda, A.B., 1912
 Reed, Cora Pearle
 Reed, Jane Riehl
 Reed, Lawrence Andrew
 Rees, George
 *Rees, Susie
 Reichenbach, Evelyn
 Reid, William Taylor
 Reifanyder, Henry Gillam
 *Reinde, Mary Louise
 *Repath, Maude Lillian
 Reynolds, Lewis Minter
 Rhodes, Martha Anna
 Richards, R. Heber
 †Richardson, Florence Pearl
 Richmond, Eleanor
 Richmond, Madge Eleanor, A.B. (Bates), 1887
 Ridall, Edmund Wainwright
 Rider, Arthur John, B.S., (Colgate), 1912, M.S. (same) 1914
 Rider, Ruth Amy
 Riemann, Anna
 Rimer, Paul Eugene
 Rimoldi, Frank Julius
 *Rivkin, William Morris
 Roat, Robert Henry
 Robb, Christine Cruikshanks
 Robbins, Mildred Louise
 Roberts, Thomas
- Winnipeg, Manitoba, Can.
 Pittsburgh, Pa.
 Springboro, Pa.
 Ithaca
 Ithaca
 Pierrepont Manor
 Oakland, Md.
 New York City
 Bronxville
 Fairmont, W. Va.
 Marion, Ind.
 Syracuse
 Bridgeport, Conn.
 Johnstown, Pa.
 Edwardsville, Pa.
 Minersville, Pa.
 San Miguel, Salvador
 Kosmosdale, Ky.
 S. Norwalk, Conn.
 Reading, Pa.
 Clarkesville, Ga.
 River Falls, Wis.
 River Falls, Wis.
 Boloudion, Cuba
 Winnipeg, Can.
 Cambridge, Mass.
 Ithaca
 Herkimer
 Prattsburg
- Pontiac, Mich.
 Ithaca
 Ithaca
 Brooklyn
- Sherburne
 Philadelphia, Pa.
 Cincinnati, O.
 Philadelphia, Pa.
 Elmira
 Rochester
 Perth Amboy, N. J.
 Rochester
 Cincinnati, O.
 Bethesda, Md.
 Detroit, Mich.
 Johnstown, Pa.
 N. Milwaukee, Wis.
 N. Milwaukee, Wis.
 Crawfordsville, Ind.
 Bay Pond
 Trenton, N. J.
 Wolcott
 Philadelphia, Pa.
 Springfield, Mo.
 Clayton
 East Creek
 Rochester
 New York City
 Langhorne, Pa.
 Medina
 New York City
 Liberty
 Belmont
 Findlay, O.
 Pittsburgh, Pa.
 Dover, N. H.
 Springfield, Mass.
 Pittsburgh, Pa.
 Ithaca
 Forestville
 Brooklyn
 Harrisburg, Pa.
 New Brighton
 Coney Island
 Paterson, N. J.
 Tuckahoe
 New Hartford
 Venedocia, O.

Robinson, Mary Alberta
 *Robinson, Victor Byron
 Robinson, William Eber
 Robinson, William Tobias
 Robson, Joseph William
 Roden, Henry Wisdom
 Roderick, Ida May
 Rodgers, Mary Catherine
 Roedel, Pearl Wheeler
 Roese, Minna Gesine
 Rogers, Lois Maybel
 Rogers, Marian Eleanor
 †Rokahr, Mary Ann, A.B. (Nebraska), 1914
 Romer, Winifred
 Roschy, Martha Gaynell
 Rose, Frederic Preston
 Rosenbaum, Benjamin
 Rosenbloom, Lester Max
 Rosenfield, Morris Elias
 Ross, Albert Miller
 *Ross, Gertrude, B.A. (Barnard), 1916
 Ross, Harold Ellis, B.S.A., 1906 and M.S.A., 1908
 Ross, Inez Matilda
 Ross, Maude Lillian
 *Ross, Sidney Henry
 Rothholz, Amanda
 Rothschild, Lillian
 Rowland, John Burl
 Rowland, Olive Lucile
 Rowlee, Silence
 *Rubenstein, Ruby Rebecca
 Ruckgaber, Otto Ernest
 †Rudolf, Ida Josephine
 *Rudtke, Elizabeth Catherine
 Rumrill, Ruth
 Rupp, Henrietta
 Rusack, Gretchen, B.A. (Hunter), 1914
 Russell, Aileen Bernice
 Rust, Wilbur Oscar
 Rutherford, Roberta Wilmot
 Ryan, Myra

Sabin, Bertha Harriet
 †Sabloff, Fannie Gertrude, A.B. (Hunter), 1913
 Sailor, Anna Barber
 †St. John, Emily Porter, A.B. (Elmira), 1890
 Salladin, Margaret Louise
 Samson, Mary Marie
 Sands, Walter Stanley
 †Sanial, Marie Lucien
 Saranago, Jose Ribeiro
 *Savage, Bettina True
 Saunders, Ford Bilderback
 Savercool, Beryl Louise
 Sawyer, Helen
 *Schabana, Marion, B.S., 1916
 *Schastrel, Julius
 †Schafer, Ruth
 Schaeffler, Leslie Reynolds
 School, Elizabeth A.
 †Schetz, Francis Harley, A.B., 1915, B.Chem., 1916
 Scheltz, Mathias George
 Schenck, Hal Emerson, B.S. (Vir. Mil. Inst.), 1914
 Schenck, Irving Priestley
 Schick, Jennette
 Schlang, Lily
 Schmid, Hermann
 Schmidt, Gertrude Katherine
 Schmidt, William Stouffer
 Schmittle, Nell Bly
 †Schock, Myrtle L., B.S. (Univ. of Pa.), 1912
 *Schofield, Jennie
 *Schorn, Clara May
 *Schramm, Irene Catherine
 Schroder, Lillie
 Schroeder, Clara Pauline
 Schulte, Carl Edwin
 Schutz, Clara Irene
 Schulz, Eric Theodore
 Schwabacher, Wolfgang Simon

Woodstock, Ont. Can.
 Truro, N. S.
 Akron, O.
 Brooklyn
 Hall
 Dallas, Tex.
 Hazleton, Pa.
 Lewiston, Pa.
 Utica
 Buffalo
 Sanborn
 Darien
 Lincoln, Neb.
 Ithaca
 Emlenton, Pa.
 Ithaca
 New Haven, Conn.
 Rochester
 Towanda, Pa.
 Ilion
 Brooklyn
 Ithaca
 Brooklyn
 Upland, Pa.
 Brooklyn
 Atlantic, N. J.
 Cleveland, O.
 Warrensburg, Mo.
 Honesdale, Pa.
 Ithaca
 New York City
 Brooklyn
 Buffalo
 New York City
 Hillsboro, N. H.
 York, Pa.
 Catskill
 Canastota
 Ithaca
 Roanoke, Va.
 Dunkirk

Ontario
 New York City
 Wilmington, Del.
 Brooklyn
 Thousand Island Pk.
 West Branch
 Melrose, Mass.
 New York City
 Rio Janeiro, Brazil
 Cambridge, Mass.
 Hamilton
 Ithaca
 Terre Haute, Ind.
 New York City
 Ithaca
 Lehigh, Pa.
 New York City
 Philadelphia, Pa.
 Norristown, Pa.
 Ithaca
 Shelby, N. C.
 Flemington, N. J.
 New York City
 Brooklyn
 Stuttgart, Germany
 New Brunswick, N. J.
 Bellefonte, Pa.
 Altoona, Pa.
 Philadelphia, Pa.
 Bath
 Buffalo
 Brooklyn
 Brooklyn
 Buffalo
 Ridgewood, N. J.
 Meadville, Pa.
 Wilkes-Barre, Pa.
 Newark, N. J.

Schwager, Harry Leon
 †Scott, Joseph Prestwick, D.V.M. (Ohio State), 1914
 *Scott, Mabel
 Seager, Paul Sylvester
 Seaman, Van Brunt
 Seidman, Jesse, B.B.L. (Baldwin-Wallace), 1907
 Seidman, May Royan
 Selkirk, Anna Regina
 Senecal, Henry Jess
 Seward, Gertrude North
 Sewell, Oscar James
 *Shafran, Annabel Lee
 *Shannon, Adrian Foote
 Shannon, Margaret Delphine
 Sharp, Helen Sara
 Sharp, Nelle Irene
 Shattuck, Hazel Hawley
 Schaub, Paul Daniel
 Shaw, Laura Estelle
 Shearer, Anna May
 Sheets, Grace
 Sheid, Laura Lillian
 Shelton, William Bristol
 *Shepherd, Gertrude
 Sherman, Eva May, A.B. (Boston Univ.), 1904
 Sherman, Frances Harriet, A.B. (Syracuse), 1911
 *Sherman, Ray Webster, A.B. (Syracuse), 1913
 Sherrard, John P.
 Sherry, Alden Bradford
 Shing, Shao-Chang
 *Shiren, Nathan
 Short, Harold Armstrong
 Short, Jeannette
 *Short, Mary Frances, B.S. (Ohio State), 1884
 Shultz, Laura Maud
 Sides, Virgil Carroll
 Silva, George
 Simon, Evelina Carroll, A.B., (Goucher), 1898, A.M. (Columbia), 1899
 *Simpson, Elizabeth Thompson
 Sisson, Mary Adelaide, A.B., 1914
 Skinner, William Edward
 Slinghuff, Olive Amanda
 Sloan, Sue Major
 Sloat, Clara May, A.B. (St. Lawrence), 1912
 *Smart, Edythe Marion
 Smith, Albert Francis
 Smith, Alpheus Waldo
 *Smith, Carl Dickey
 *Smith, Cerelle Winifred
 Smith, Charles Stewart
 *Smith, Charles Wion, B.A. (Univ. of Rochester), 1891
 Smith, Dorothy
 Smith, Douglas Alfred, A.B., 1914
 Smith, Editha Cora
 *Smith, Esther Amelia Dudley
 Smith, Emily Virginia
 *Smith, Florence Kathryn
 Smith, Frank Ward
 Smith, Harold Bertram, A.B. (Brown), 1909
 Smith, Harriet Frances
 Smith, Harry Bradley, A.B., (Cornell), 1901, Pd.M. (State Coll.), 1914
 †Smith, Jessie Martin
 Smith, Jonas Milton
 *Smith, Leah Eleanor, A.B. (Smith), 1916
 Smith, Leon Clayton
 Smith, Robert Franklin
 *Smith, Ruth Howard, B.S. 1916
 Smith, Sadie Annie Bell
 *Smithling, Mary Helen
 Snow, Evelyn Marring
 †Snow, Martha Bamber, A.B. (Syracuse), 1912
 Snyder, Emily Harriet, A.B. (Ursinus), 1915
 Sornberger, Frank Foster, M.D. (Syracuse), 1909
 Sorokin, Marcus Moses
 Spafford, James Henderson
 Spear, May Adele
 †Speiden, Evelyn
 *Spencer, Harriet Elizabeth
 Spencer, Julia Alice
 Spindler, Mabel Clara

Wilkes-Barre, Pa.
 Salem, O.
 Greenwood
 South Orange, N. J.
 Brooklyn
 Cleveland, O.
 Cleveland, O.
 Brooklyn
 Watertown
 Binghamton
 Olive Hill, Ky.
 New York City
 New York City
 Wilkes-Barre, Pa.
 Port Norris, N. J.
 Clayton, Ind.
 Corning
 New Freedom, Pa.
 Duquesne, Pa.
 Reading, Pa.
 Columbus, O.
 Silver Springs, Md.
 Dunkirk
 Buffalo
 Fairhaven, Mass.
 Rutland, Ver.
 Glen Cove
 Sloan
 Troy
 Chengton, China
 New York City
 Baltimore, Md.
 Ithaca
 Ithaca
 Kutztown, Pa.
 Springfield, O.
 Santiago, Chile
 Baltimore, Md.
 Ithaca
 Canandaigua
 Chicago, Ill.
 Pittsburgh, Pa.
 Johnston, S. C.
 Watertown
 Brooklyn
 East Haddam, Conn.
 Ithaca
 Ithaca
 Corona
 Stamford, Conn.
 Holley
 Ithaca
 Lockport
 Ithaca
 Rochester
 Camden, N. J.
 Honesdale, Pa.
 Fredericksburg, Va.
 Taunton, Mass.
 Huntsville, Tex.
 Albany
 Donners Grove, Ill.
 Sharon Springs
 Freehold, N. J.
 Charlottesville
 College Sta., Tex.
 Ovid
 Bowling Green, Ky.
 Boonville
 Fairport
 Boonville
 Lebanon, Pa.
 Cortland
 Rostoffon Don, Russia
 Baltimore, Md.
 Brooklyn
 Washington, D. C.
 Ellington
 Cherry Creek
 Olean

Spinning, Ethel Gladys	Newark, N. J.
Spouse, James Alfred	Binghamton
*Sprague, Florence Elma	Roscoe
*Sprague, Mary Marinda	Roscoe
Springer, Julia Marie	Sullivan, Ind.
Squires, James Williamson, M.D. (N. C. Med. Coll.), 1911	Charlotte, N. C.
Staff, Amalie Margherita	Cincinnati, O.
Stagen, Edna Adelaide	West New Brighton
Stagen, Dorothy Gertrude	West New Brighton
Stagen, Ruth Madeline, A.B. (Barnard), 1911	West New Brighton
Staley, Frank Marcellus, B.S., 1915	Americus, Ga.
Stambach, Clara Swift	Buffalo
Stammier, Elsie Emilie	Brooklyn
*Stanton, Bessie, A.B. (Adelphi), 1907	Brooklyn
Stanton, Clifford Alfred	Cortland
*Stanton, Edith	Oxford
*Starkweather, Dorothy Annie	Nutley, N. J.
Starr, Mary Elizabeth	East Liverpool, Ohio
Stebbins, Edna	Albion
*Steele, Margaret, A.B. (N. Y. Nor. Col.), 1902	New York City
Steele, Mary Charlotte	McLean
Stenbuck, Bertha Elizabeth	Brooklyn
Stephens, Ray O., Ph.B. (Wesleyan Univ.), 1905	Clifton Springs
Sternberger, Robert Oscar	Bloomfield, N. J.
Stevens, Julia Florence, B.S. (Simmons), 1913	Middletown
Stevens, Madalene	Middletown
†Stevens, Mildred Margaret	Oswego
Stevens, Ruth Gertrude	Geneva
Stephenson, Guy Baker	Ithaca
Stevenson, Clara L., Pd.B. (Westchester State Nor.), 1915	Clifton, Pa.
Stevenson, Joanna Donnell	Clifton, Pa.
†Stewart, John Archibald Mueller, A.B. (Alleghany), 1912	Beaver, Pa.
Stewart, Madge Mary	Avilla, Ind.
Stiebertiz, Flora Elizabeth	Bridgeton, N. J.
Stieg, Mary Sophia	York, Pa.
Stivers, (Mrs.) Mary Newman	Yonkers
†Stockton, Edith Rea, B.L. (Penn. Col. for Women), 1897	Pittsburgh, Pa.
Stone, Edith May	Jackson, Mich.
Stone, Sarah, A.B., 1915	Syracuse
Stone, Tryphenna Co	Charlotte
Storm, Louisa B.	Ithaca
*Stotchik, Julius, D.V.M., 1916	Coney Island
†Stover, (Mrs.), Fannie May A.B., (Western Md. Col.) 1899, A.M. (same) 1910	Hagerstown, Md.
Strait, Walter Louis	Spencer
Strauss, John Noble	New York City
*Streeter, Leslie Emerson	Fleischmanns
*Streich, Minna Rochelle	New York City
Stress, Lydia Christine	Watertown
†Strong, Frances Miriam	Knoxboro
Strong, Frederic W.	Cornwallville
Strowger, Jennie Elizabeth	Rochester
†Struss, Marion	Brooklyn
Stuart, Harriet Holmes, Ph.B. (Dickinson), 1914	Carlisle, Pa.
Stryker, Mary Janel	Alexandria, Pa.
†Stuart, Mabel Louise	Fall River, Mass.
Stuart, Ruth Herman, A.B. (Dickinson), 1912	Carlisle, Pa.
Stufflebeam, C. Elizabeth	Brooklyn
Sturgis, Cony, A.B. (Bowdoin), 1899	Ithaca
*Sturrock, John	Ithaca
Sullivan, Paul Livingston	Winnipeg, Canada
Summers, Agnes Leona	Franklin Forks, Pa.
Sun, Yu-fong	Tientsin, China
Sutor, Adele	Philadelphia, Pa.
*Suydam, Constance	Orange, N. J.
*Suydam, Helen Marion	Fulton
Swartwout, Herbert Brinckerhoff	Port Jervis
*Swaving, Grace Marielle	Pottsville, Pa.
Swaving, Frances Amelia	Pottsville, Pa.
Swenson, Henri Jordan	Pittsburgh, Pa.
*Taft, Lyman Herbert, jr.	Montgomery
Tait, Helen May	Buffalo
†Talbot, Ralph Lee, B.S. (Bucknell), 1913	Indiana, Pa.
Tang, Min Kao	Chung-king, China
Tang, Yuch	Foochow, China
Tavares, John Thomas	Santo Domingo, W. I.
Taylor, Garret Amos	Wilmington, Del.
Taylor, Isabelle Jucinda, A.B. (Vassar), 1912	Burlington, Vt.
Taylor, John Lansing	Owego
Taylor, Ruth Eliza	Mt. Union, Pa.

Tears, Claude Frederick
 Telford, Herbert McGoeth, A.B. (Princeton), 1904
 *Terrasse, Bertha Emma
 Then, John William
 Theodore, Samuel Joseph, A.B., 1916
 Thomas, Alice Carey
 Thomas, John Cooper
 Thompson, Eleanor Hughes
 Thompson, Richard Nelson
 Thompson, Sawyer
 *Thomson, Alice Rawlings
 Thomson, Mary Edith
 Thönssen, Ruby Ella
 Thornton, Anne Rosaline
 *Thorp, Evelyn Louise, A.B., 1916
 Tilley, Lloyd Henry
 Tillinghast, Elizabeth Holland
 Tillotson, Edwin Haight
 Tilton, Evelyn Estella
 *Tingley, Abbie Stuart
 Titchener, John Bradford
 Titus, Oral Michael
 Tobin, Josephine Mary
 Tood, (Mrs.) Lena
 Toerring, Helene Carlotta
 Toles, Ethel Genevieve
 †Toll, Oliver, A.B. (Williams), 1913
 Tolon, Eva Amelia Teurbe
 Tonks, Harry Charles
 *Tooke, Alice Jane
 Toroella, Juan Rooney
 *Toumey, Nannie Bernice
 Towne, Harold Richardson
 Treman, Robert Carlton
 Trethaway, Joseph David
 Trethaway, William, jr.
 †Triester, Bertha, A.B. (Western Reserve), 1910
 Treeck, Martha Dorothy
 †Trosten, Sophie, B.A. (Hunter), 1913
 Tufts, William Felt
 *Tully, Alice Mary
 *Tunison, Lula, A.B. (T. T. & C. Miss.), 1906
 *Turnbull, Jessie Menzies
 Turrell, Mildred Lucretia
 *Tuttle, Endora Farnham
 *Tuttle, Margaret Elizabeth
 †Tyndall, Edward Philip Theodore, B.A. (Richmond Col.), 1912

 Ulloa, Jose Ralph
 *Ulmer, Levi Joseph, B.S. (Bucknell), 1902 and M.S. (same) 1907
 Ungemach, Dena D., B.S., (Univ. of Penn.), 1908, M.A. (same) 1911
 Unger, Sophia Cochran
 Uriarte, Edwardo
 Urquhart, Leah May, B.A. (State Coll.), 1914

 Vail, Donald Bain
 Valade, Ernest Augustus, B.S. (Cath. Univ. Am.), 1914
 Valderrame, Mariano Alfredo
 Valentine, Alastair Ian Grant
 Van Allen, George Raymond
 †Van Dyck, Miriam Hasbrouck
 *Van Epps, Marguerite Frances, A.B. (Hunter), 1915
 †Vann, Mary Hasseltine, A.B., 1912
 *Van Order, Catharine, B.S., 1916
 Van Order, Ruby Mildred
 Van Valkenburgh, Mary P.
 Van Vleet, Minnie Louise, A.B. (Elmira), 1912
 Van Volkenburgh, Horatio Luther
 †Varney, Ann Julia
 Varona, Michael Chinchilla
 Velie, Clarence James
 Viano, Eugene John
 *Vigert, Vilma
 Vivoni, William
 *Voessnack, Lillian Gertrude

 †Wagner, Russell Halderman, A.B. (Monmouth), 1915
 Wahle, Carl Budd
 Waite, Virginia Frances
 Walcutt, Helen Cornelia

Star Lake
 Knoxville, Tenn.
 Buffalo
 Rochester
 Aruppoonkoba, S. India
 Fort Wayne, Ind.
 Bramwell, W. Va.
 Cape May, N. J.
 Fall River, Mass.
 Brooklyn
 Yonkers
 LaFayette, Ind.
 Washington, D. C.
 Washington, N. J.
 Pittsburgh, Pa.
 Buffalo
 Burlington, N. J.
 Detroit, Mich.
 Moscow
 Washington, D. C.
 Ithaca
 Marshall, Ind.
 Brooklyn
 Flora, Ind.
 Philadelphia, Pa.
 Otego
 Denver, Col.
 Philadelphia, Pa.
 Newark, N. J.
 Syracuse
 Havana, Cuba
 New Haven, Conn.
 Burlington, Vt.
 Ithaca
 Wilkes-Barre, Pa.
 Wilkes-Barre, Pa.
 Cleveland, O.
 Brooklyn
 New York City
 Brookline, Mass.
 Ithaca
 Lumberton, Miss.
 Ithaca
 Wilkes-Barre, Pa.
 Eastport, L. I.
 Syracuse
 Richmond, Va.

 Salvador, C. A.
 Williamsport, Pa.
 Philadelphia, Pa.
 Mercersburg, Pa.
 Buenos Aires, Argentina
 Schenectady

 Ridgewood, N. J.
 Burlington, Vt.
 Ithaca
 Chicago, Ill.
 Rensselaer
 Newark
 St. Johnsville
 Aulander, N. C.
 Ithaca
 Ithaca
 Athens
 Ithaca
 Springville
 Austerlitz
 Havana, Cuba
 Salamanca
 Lexington, Mass.
 New York City
 San German, P. R.
 Brooklyn

 Dayton, O.
 New York City
 Huntingdon, Pa.
 Douglas Manor, L. I.

Waldbauer, Louis Julius	St. Louis, Mo.
Walker, (Mrs.) Annie Robey	Herndon, Va.
Walker, Carl Henry	Baltimore, Md.
Wallenfels, Hugo	Prague, Bohemia
Walsh, John Loughran	Brooklyn
Walsh, Joseph Michael	Wilkes-Barre, Pa.
Wan, George, A.B. (Govt. Univ. Pekin), 1912	Peking, China
Wanser, Paul	Ithaca
Wardenburg, Harry George	Brooklyn
Waring, Frances Willard	Baltimore, Md.
*Warner, Harold Ellsworth, B.A. (Geo. Wash. Univ.), 1913	Washington, D. C.
*Warner, Marguerite Claffin	Washington, D. C.
Warren, Constance Livonia	Carlisle, Pa.
Warren, Richard Gunton	West Newton, Mass.
Washburn, Frank Sherman, jr.	Rye
Waters, Margaret Mary	Poughkeepsie
Watkins, Edwin Hoffman	Baltimore, Md.
Watkins, Mary Venable	Charlotte, C. H., Va.
Watt, Roland McKinley	Chicago, Ill.
Weamer, Alpha	Indiana, Pa.
Webb, Ella Pauline	Philadelphia, Pa.
Weber, Arthur August	Mt. Clemens, Mich.
Weber, Elizabeth	New York City
Weber, Wilfred	New York City
Weeter, Margaret Minnie	Springfield, O.
*Weider, Rena Antoinette	Rochester
*Weil, Lester Isaac	Buffalo
Weilepp, Thomas Greacen	Baltimore, Md.
*Weisberg, Pauline Pearl	New York City
*Weiss, Alma Elsie, A.B. (Barnard), 1907	New York City
Weiss, Annette	Waterbury, Conn.
Weiss, Martha	Berlin, Germany
*Weiss, Max	New York City
†Weitman, Elizabeth, B.A. (Hunter), 1913	New York City
Welch, James Joseph, jr.	Saratoga Springs
Welles, Colin Gilchrist	Schenectady
Wells, Jennie Rosalind	Brooklyn
*Wells, Mae Lavinia, B.S. (Columbia), 1914	Cortland
††Welsh, Maude Eliza, A.B. (Syracuse), 1912	Morristown, N. J.
*Wenger, Adeline Marie	Tenafly, N. J.
Wentz, Elizabeth Heathcote	Hanover, Pa.
*Werts, Esther Sheness	Pittston, Pa.
Wesler, Amos George	Batesville, Ind.
Wessells, Emily Margaretta	Elizabeth, N. J.
West, Florence Belle	Binghamton
†Westbrook, Nathan Glenn	Hemlock
Westheimer, James Russell	Americus, Ga.
Weston, Muriel	Forty Fort, Pa.
Wetmore, Nellie Elizabeth	Wilson
Wetzel, Gustave Adolph	Philadelphia, Pa.
Wey, Anna Shepard	Elmira
*Whalen, Anna Elizabeth	Kingston
Wheeler, Jane May	Winsted, Conn.
Wheeler, Marion Eloise	Pittsburgh, Pa.
Whelan, Annie Margaret	Springfield, Mass.
*Whidden, Thomas Marvin, A.B. (Harvard), 1916	Portland, Ore.
Whiddit, William Wall	Utica
Whinery, Leta Josephine, Ph.B. (Grinnell, Iowa), 1906	Los Angeles, Cal.
†*Whippen, Charles Warren, B.S. (Mass. Agri.), 1914	Lynn, Mass.
Whitaker, Henry Dowley	Cincinnati, O.
Whitaker, Verna Amanda, A.B. (Bucknell), 1911	Millville, N. J.
Whitcomb, Agnes Matella	New Haven, Conn.
White, Amy Oneita	Taberg
White, Guy Alfred	Buffalo
White, Robert Morris	Ithaca
Whiteman, Edna	Pittsburgh, Pa.
Whitford, Bonnie	Washington, D. C.
Whitney, Cass Ward, B.S., 1913	Ithaca
Whittaker, Alice Edna	Margate, N. J.
*Whittemore, Van Cranpton, B.S., 1916	Collins Center
†Whittingham, William Robinson, 3d	Millburn, N. J.
*Weiner, Rose	New York City
Wigglesworth, Albert Gifford	Ulenette, Ill.
*Wilcox, Allie May	Worcester
Wilcox, Elizabeth Lee, A.B. (Univ. of Mich.), 1898	Jackson, Mich.
Wildman, Esther Theresa, A.B. (Leland Stan.), 1915	Philadelphia, Pa.
Wilkinson, Jennie	Ithaca
Wilhelm, Bertha	New York City
Willcox, Lois Velma	Cortland
*Willcox, Tina May	Smithville Flats

- Williams, Alonzo DeWolfe
 Williams, Ethel Mae, A.B. (Penn. Col. for Women), 1914
 *Williams, Marie Estelle
 Williamson, Emma Wyckoff
 Willis, Geraldine Margaret
 Willson, Ruth, Ph.B. (Syracuse), 1909
 †Wilson, Emma
 Wilson, Margaret Elizabeth
 Wilson, Marjorie, A.B., 1913
 Wingertszahn, Laura Louise
 Wisansky, Harry
 Witherow, Augusta Bispham
 Witmer, Anna Dean
 Wittlief, Bertha Gertrude
 Wolfe, Joseph Ernest
 Wong, Harold Hung-En-
 Wong, Kam Yuen,
 *Wood, Clarence Ashton, A.B., Pd.B., (Albany Normal), Ph.B., D.B. (Univ. of Chicago), Ph.M.
 (Syracuse), LL.M. (Univ. of Maine), LL.M. (Univ. of Buffalo)
 Wood, Edith Lydia
 *Wood, Ethel Clyburn
 Wood, George Dewey
 Wood, Leonard, jr.
 Wood, Lucy Thomas
 *Wood, Marion Abigail
 Wood, Una Cranston
 †Woodelton, Mary Ruth, A.B. (Vassar), 1908
 Woodlock, Frederick Laurence
 Woodman, DeGraaf
 Woodruff, Charles Curtis, jr.
 Woodruff, Edith Isabel
 Woodruff, Elizabeth Maria
 †Woodson, James Matuson, jr.
 Woodward, Blanche Delphia
 Woody, Blanche Elizabeth, A.B. (DePauw), 1901
 Work, Eunice
 Wormley, Josephine Ethel
 Wright, Clark Brick
 Wright, Frederick William, B.S. in M.E. (Md. State Col.), 1915
 Wright, John Ellsworth
 Wright, Ruth Martha
 Wright, Simeon Mather
 Wright, Walter Wayne
 Wyckoff, Normal Ross
 Wynkoop, Doris De Nard
 Wynne, Katharine Veronica

 Yang, Chien, M.E., 1916
 Yang, Ying Ching
 Yau, Shih Yee
 Yeager, Gertrude Anna
 Yeakel, Raymond Lewis
 *Yeomans, Margaret May
 Yeung, Sik Chung
 Yockel, Carolyn Beatrice
 Yokogawa, Tokisuke
 †Young, Bennet Botsford
 †Young, Frances King
 Young, Gertrude Stickney, A.B. (Wisconsin), 1906
 †Young, Helen Lillias
 Youngblood, Dorothy
 Youngs, Frederick Tolley, jr.
 Yu, Tsao-Chi
 *van Zandt, Frances Byrce
 Zeman, Ladimir Raymond
 Zen, Hoong Chiung, A.B., 1916
 Zimmer, Nettie Gertrude
 Zimmerman, Ruth Johnston
 *Zvirin, Dora

 Corning
 Glassport, Pa.
 New York City
 Atlantic, N. J.
 Ithaca
 Dryden
 Silver Spring, Md.
 Warren, Ariz.
 Ithaca
 Dunkirk
 New York City
 Narberth, Pa.
 Columbia, Pa.
 Buffalo
 Ithaca
 Tientsin, China
 Hong Kong, China
 Albany
 Springfield, Mass.
 Brooklyn
 Wilkes-Barre, Pa.
 Governor's Island
 Pittsburgh, Pa.
 Syracuse
 Harrisburg, Pa.
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 Allston, Mass.
 New York City
 Long Island City
 Auburn
 Asbury Park, N. J.
 Temple, Tex.
 Boston, Mass.
 Kokomo, Ind.
 Tarkio, Mo.
 Washington, D. C.
 Burlington, N. J.
 Forest Glen, Md.
 Elm Grove, W. Va.
 Temple, Ariz.
 Belleville
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 Harrisburg, Pa.
 Rochester
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 Hangchow, China
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 Swatow, China
 Hazleton, Pa.
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 Sioux Falls, S. D.
 Angelica
 Veedersburg, Ind.
 Richmond Hill
 Hangchow, China
 Ithaca
 Cleveland, O.
 Chungking, China
 Paterson, N. J.
 Duncannon, Pa.
 Larchmont

STUDENTS IN THE WINTER COURSES IN THE COLLEGE OF AGRICULTURE, 1916-17

Abbott, Clinton Gilbert
Abbott, (Mrs.) Dorothy Clarke
Abbott, Frederick Lucian
Adams, T. Ruthven
Aldrich, Amos Jay
Van Alstyne, Pruyn
Anderson, Clarence Luther
Andrews, George Reed
Andrus, George Webbs
Arbuckle, Frank Jones
Ariewitz, Samuel
Atwood, George Edward
Austin, John Herbert
Ayers, Donald Jessie

Badgley, Warren Bradford
Bailey, Henry Day
Bailey, John Wilson
Bailey, Randolph Cyrus
Baker, Cornelius Vroman
Baldwin, Leon
Barbour, Francis C.
Bardwell, Guy
Bardwell, Robert Hine
Barnes, Fred Dana
Barr, Ralph J.
Barrett, Nathan
Barrett, Walter Nicholas
Bashow, Healy Joseph
Bauer, Frank Maria Joseph
Baum, Gertrude Hageman
Beardsley, Cecil Julius
Beatty, Newell J.
Bennett, Leland Gardner
Bettcher, Edward Stephens
Binley, George William, jr.
Blakeman, Laurence Emmett
Blank, Eugenie
Bookmiller, Raymond G.
Bradley, Samuel Allen
Brandt, Clifford M.
Brown, Herman Mortimore
Brown, Leon
Brown, Neil C.
Brunck, Harvey Harold
Buchler, John
Bundy, John Leland
Burger, Walter L.
Burkshaw, Andrew, jr.
Button, Arthur LeRoy

Calhoun, Thomas Alexander
Campbell, Frank Edwards
Candee, Ana G.
Capwell, Frank Merrill
Carleton, John Murray
Carter, William Edmond
Carver, Aubrey J.
Cary, Alexander Claxton
Center, Myron Hemitt
Chamberlin, Hastings Garrison
Charles, Edward Joseph
Claxton, Thomas Bunyard
Cleaves, Charles William
Coe, (Mrs.) Estrella Monighan
Coe, Lynfield Ruben
Cook, Albert Stancliff
Cook, James Bradley
Condon, Jerome D.
Corbin, Warren Teel
Craig, Charles Emmett

Rhinebeck
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Munnsville
Lockwood
Moravia
Kinderhook
Jamestown
Jamestown
Georgetown
Toledo, O.
New York City
Ballston Lake
Spencer
Marathon

Schoharie
Cazenovia
Tioga, Pa.
Hubbardsville
Selkirk
Baldwinsville
Hartford, Conn.
Hartford
Ithaca
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Peabody, Mass.
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Stowe, Vt.
Brooklyn
Elma Center
Pitcher
Heuvelton
Ithaca
Denver, Col.
Albany
Hudson Falls
Brooklyn
Java
Silver Creek
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Ballston Spa
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North Chatham
Tuscola, Ill.
Pine Bush
Pine Bush
St. Albans, Vt.

Westbury
Ithaca
Phoenix
Linden
Rutherford, N. J.
Mt. Kisco
Elmira
New Rochelle
Eagle Bridge
Ballston Lake
Amsterdam
Lakewood, N. J.
Meadowbrook
Ithaca
Oswego
Hampton
Brooklyn
Brooklyn
Bainbridge
Rochester

Crittenden, Harold Cline
Cromwell, Frederick Charles
Cruikshank, John Byron
Curkendall, Howard G.

Daley, George E., jr.
Darling, Newton Hall
Davis, Leon Hinton
Deane, Irving M.
Decker, Oliver George
Dedrick, Frank L.
Depew, Russell Snow
Dickerson, Grant Miland
Dings, Justus Henry
Dorn, William Henry
Dunham, Emory George
Dunlop, Frank M.

Erts, George Walter
Evans, Ward R.

Fargo, Harold Leonard
Felshaw, Leslie Edgar
Ferree, George Eugene
Fitch, Leigh Mason
Foster, Samuel F.
Fraser, Alexander J.
Frey, Maximilian Herber
Fry, Chester Frankfort
Fuller, Howard Albert

Gale, Charles Carroll
Gardner, Otis Seymour
Garrett, Robert McDonald
Gates, Francis Edward
Gerlach, Otto Emil
German, Chester A.
Glenen, Frederick James
Gottlieb, Samuel
Graham, Clifford Charles
Graue, Harry Diedrich
Graves, Carlisle Edward
Gray, Lionel E.
Greenberger, Arthur Ralph
Greulock, Carl Martin
Grundmann, Richard

Hale, Everett Woodworth
Hall, Nellie Mae
Hall, Maurice T.
Harlow, Nathaniel Luzerne
Harris, Howard Randal
Hartmann, Charles Jacob
Helms, William
Henderson, John William
Henries, Raymond Lewis
Henry, Thomas Richard
Hewlett, Emory Clark
Hoffman, Herbert Weis
Hoffmann, Paul Otto
Hosmer, Floyd LeRoy
Hotchkiss, Malcolm George
Howard, Lloyd Griffin
Howland, Harold E.
Howland, Susan Dale
Hoyt, George Wilbur
Hunt, (Mrs.) Blanche Brooks
Hunt, Harold Allen
Huntington, Arthur Ray
Hutchinson, Chester Delbert
Hyde, Frank

Whitesville
Yonkers
Poland
Newark Valley

Holmes
Barnet, Vt.
Buffalo
Hillsdale
South Dayton
Poughkeepsie
Roxbury
Cato
Troy
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Hensonville
Richmond Hill, Ont.

Ladleton
Georgetown

Ashville
Constableville
Cayuga
Rochester
Litchfield, Conn.
Fowlerville
Chittenango
Ephrata, Pa.
Moravia

Stowe, Vt.
Mannsville
Port Garrett, Ky.
Chittenango
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Gilboa
Greenwich, Conn.
New York City
Trout Creek
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Java
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Arlington
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Falconer
Knowlesville
Gouverneur
Winthrop, Mass.
Stanley
Chatham
Newburgh
Westbury
Batavia
Belvidere
Bath
Rochester
Marcellus
Gouverneur
Downsville
Rochester
Red Creek
Willseyville
Weedsport
New York City
Franklin
Ithaca
Heuvelton
Auburn

Ireland, Maurice Booth	Bainbridge	Plimpton, Herbert Hollis	Hollis
Jack, Leland Marcus	Ithaca	Porritt, Longshaw Krauss	Hartford, Conn.
Jackman, Arthur Ward	Atlanta	Qua, James Coulter	Canastota
James, Paul Case	New York City	Quick, Raymond Herbert	Westerlo
Jennings, Edward Phelps	Litchfield, Conn.	Rabadan, Stanley Marie	New York City
Johnson, Leon W.	Antwerp	Raymond, Albert Henry	Stowe, Vt.
Johnson, Lorenzo Herbert	Chaumont	Reeve, Malcom Monroe	Mattituck
Kaufman, Matthew	Brooklyn	Remscheid, Ernest Louis	Schenectady
Ketchum, Helen Nancy	Victor	Reynolds, Raymond Bertrum	Cleveland
Ketchum, Horace Alfred	Otisville	Reynolds, William Stanley	Lewisboro
Kirchnoff, Ellalee	Pembroke	Rickard, Arthur R.	Arena
Klinger, Jacob Israel	Forestburg	Riker, William Bryan	Spencer
Knauss, William Harry	Brooklyn	Roberts, William Lewis	Sauquoit
Knowles, Arthur T.	Wethersfield, Conn.	Robinson, George Anthony	Bennington, Vt.
Kramer, Louis	Ellenville	Rohlf, Henry F.	Derby
Kreutter, Edward Brickley	Seneca Falls	Rose, Edward Ledgard	Binghamton
Lanckton, Erwin White	Otselic	Rosenthal, Gilbert	Plainfield, N. J.
Lane, Arthur Merwin	Riverhead	Rushlow, Roy Walter	Brandon
Lass, Sacharia	South Edmeston	Ryan, John Crahan	Bennington, Vt.
Lawrence, Louis Benedict	South Salem	Sackett, Laurence Codling	Silver Creek
Leathersick, Ross S.	Caledonia	Saddler, (Mrs.) Clara	Ithaca
Lehman, Ezra Crosby	Sharon Springs	Salsburgh, William	West Berne
Lewis, Reuben	Bayonne, N. J.	Schenck, William Malcolm	Youngstown
Lindsay, Levell Bradshaw	Burt	Scott, Emmett B.	Brooklyn
Lippert, John Baptist	Chester	Scudder, Bruce Abram	Halcott Center
Lipsky, Abraham	Parksville	Searles, Ward Eugene	Bainbridge
Liska, Charles	Chicago, Ill.	Senn, Elmer	Highland, Ill.
Lormer, Mabel	Dryden	Shaver, Josephine Johnson	Ithaca
Loudon, Benjamin G.	Cooperstown	Shook, Clinton John	Hudson
Luxon, John Frederick	Woodhaven	Skillman, LaRue Henry	Smithville Flats
MacAuley, Mildred L.	Arlington, Vt.	Small, William James	Westbury
McDougall, Adelbert Wayne	Ft. Edward	Smith, Edwin Chester	Elizabeth, N. J.
McGeoch, Ralph Andrew	Argyle	Smith, Ernest Simon	Franklin
McGough, Edward N.	Oriskany Falls	Smith, Harold Sherman	Oswego
McKay, Willard Judd	Geneva	Stamp, Lawrence Bedell	Savona
McNichol, Mary	Darling, Pa.	Stewart, George Chester	South Plymouth
Maidenbaum, Lillian	Mountaindale	Stimming, William Herman	Newark Valley
Mann, John Adam	Dallas, Texas	Stocker, Rowland Edwin	Highland, Ill.
Marks, Mike	New York City	Stone, Charles E.	Pittsburgh, Pa.
Masso, Felix	New York City	Stone, Theodore John	Waverly, Pa.
Marwell, Ashton J.	Jackson	Stone, William Leete, jr.	New Rochelle
Meaker, Harold Frederick	Memphis	Tappan, Gladys	White Plains, Ga.
Messer, Edwin Palmer	Voorheesville	Taylor, Frances	Canandaigua
Metcalf, Charles Knight	Oakville, Conn.	Taylor, Howard Clark	Bayville
Minneker, William Frederick, jr.	Nanuet	Taylor, Raymond Frederick	Lockport
Mitchell, Lowell N.	Jamestown	Thomas, Joseph, jr.	Westbrookville
Monteith, George Wallace	Newark, N. J.	Thompson, William Jackson	Keeseville
Moody, Floyd Wheeler	Wynantkill	Tilt, LeRoy Wortendyke	Huntington
Moore, Allen	Fultonville	Todd, Judson Nelson	Ithaca
Moore, Walter Ambrose	Niverville	Trevett, Glenn Alton	Boston
Moore, Ward William	Stanley	Turnbull, Randolph Watson	Orleans, Vt.
Morey, Arthur Thomas	Yorktown	Tyler, Harold Orlando	Ithaca
Morgan, Tod Jenkin	Youngstown, O.	Van Vlack, Charles	Holmes
Morgenstern, George Earl	Westfield	Vollmer, William Frederick	Akron
Muldrow, John James	Highlands, N. C.	Voorheis, James Leslie	Chili Station
Muns, Martha M. Stuart	Ridgewood, N. J.	Waldron, George Lewis	Auburn
Myers, Albert S.	Kerhonkson	Ware, LeRoy Dwight	Wells, Vt.
Newton, Warren Childs	Bridgeville, Del.	Warner, Victor Deville	South Otselic
Northrop, Ellis Wells	Bedford Hills	Weber, Harris Thovald Fredrik	Denmark
Ochse, John Nicholas	Oxford Depot	Wedge, Harold Horace	Norwich
O'Connell, James Maurice	Ovid	Wells, Charles Browning	Shortsville
Orthmann, Elizabeth	New York City	Welsted, William Alfred, jr.	North Evans
Owens, Joseph Paul	Plymouth	Whalen, William Anthony	LaGrangeville
Page, Robert Frederick	Rochester	Wheat, Irving Hall	Walton
Palmer, Fletcher Smith	Cornwallville	White, John Woodward	Portlandville
Palmer, Myron M.	Fulton	White, (Mrs.) Myrtle A.	Portlandville
Parish, George Clarence	Heuvelton	White, Tracy Meeker	Byron
Parmenter, Walter Horace	Royal Oad, Mich.	Whittle, Egerton	Scranton, Pa.
Pattington, Fred Smith	Scipioville	Wick, Myron Converse, jr.	Youngstown, O.
Pepper, Lynn Hamilton	Middle Granville	Wickes, Charles Raymond	Auburn
Peterson, Peter Heinrich August	Katonah	Wickes, Philip Bardwell	Rochester
de Peyster, Susan Mary	Brooklyn	Wilensky, Morris	New York City
		Willey, Herbert George	New York City
		Willis, Irad Edmunds	Norfolk
		Zimmerman, Kenneth A.	Defiance, O

INDEX OF SUBJECTS

- Academic Year, 41.**
 College of Agriculture, 134.
 Medical College, 113.
Administration, General, Committee on, 9.
 Officers of, 11-37.
 Of the University, 7-8.
Admission, 41-48.
 by entrance examinations, 44-45.
 by Regents' credentials, 45.
 by school certificates, 46.
 from other colleges, 47-48.
 of freshmen, 41.
 of special students, 47, 103.
 to advanced standing, 47, 102.
 to Graduate School, 50.
 to Medical College, 112.
 to undergraduate colleges, 41-48.
Advanced Algebra, entrance, 42.
Advanced Degrees, 50-52.
Advanced Standing, see admission from other colleges.
Aesthetics, 88.
Age requirement at admission, 41.
Agricultural Chemistry, 97.
Agricultural College Council, 9.
Agricultural College Library, 176.
Agricultural Experiment Station Memoirs, 190.
Agricultural Student Loan Fund, 190.
Agriculture, College of, 128-148.
 admission to, 41-48.
 Third Term in, 51, 134, 293.
Agriculture, entrance subject, 42.
Agriculture, Summer School, 211.
 tuition in, 48.
Agriculture, Winter Courses, Tuition, 48.
Algebra, entrance, 42.
Alumni, Associate, 191-195.
Alumni Field, 188.
Alumni Fund, State Scholarship, 190.
Alumni Trustees, 8.
American History, 90.
 as entrance subject, 42.
Anatomy, 99, 115, 119, 126.
Ancient History, 89.
 as entrance subject, 42.
Animal Husbandry, 137, 212.
Antiquities, Greek, 82.
 Roman, 82.
Appropriations, N. Y. State, 7.
Arabic, 81.
Aramaic, 81.
Architecture, College of, 149-154.
 admission to, 41-48.
 fees in, 49.
 tuition in, 48.
Architecture, Medals in, 180-182.
Architecture, Prizes in, 154, 225.
Armory, 188.
Art, Landscape, 144.
 Greek, 82.
 Roman, 82.
Arts College Entrance Diploma, 45.
Arts, Fine, 87.
 Frances Sampson Prizes in, 181, 225.
Arts, Mechanic, 163-173.
Arts, Mechanic, Sibley Prizes, 170, 181, 225.
Assistant Professors, List of, 11-32.
Assistants, List of, 32-37.
Associate Alumni, 191-195.
Association of Class Secretaries, 199-200.
Assyrian, 81.
Astronomy, 93.
Athletic Association, 188.
Athletics, 188.
Attendance, Statistics of, 298-299.

Bachelor of Architecture, degree, 149.
Bachelor of Arts, degree, 78.
Bachelor of Chemistry, degree 80.
Bachelor of Laws, degree, 102.
Bachelor of Science, degree, 134.
Bacon Hall, 189.
Bacteriology, 118, 127.
Barnes Hall, 186.
Barnes Reference Library, 176.
Barnes Shakespeare Prize, 180, 225.
Bellevue Hospital, 112, 116, 117.
Beneficiary Funds, 189.
Bennett, James Gordon Prize, 125, 182, 225.
Bibliography, 92.
Biochemistry, 99, 120.
Biology, 98, 139, 212.
 as entrance subject, 42.
Boardman Senior Law Scholarship, 106, 179.
Board of Trustees, 8.
Bookkeeping, entrance, 42.
Botany, 98, 137, 212.
 as entrance subject, 42.
Bridge Engineering, 161, 210.
Brown, C. B. Memorial Medal, 154, 181, 225.
Browning Prize, Corson, 180, 225.
Buildings and Grounds, Committee on, 9.

Caldwell, G. C. Prize, 182, 226.
Calendar, 5.
Cancer, Study and Treatment, 112.
Candidacy for Advanced Degrees, 50-52.
 for Undergraduate Degrees, see Degree.
Certificates awarded 1915-1916, 225-226.
 for Regents' examinations, 45.
 in military science, 225.
 school, 46.

- Chemistry, 95-98, 116, 209, 212.
 Bachelor of, 80.
 Chemistry, entrance subject, 42.
 prize in, 182, 226.
 Christian Association, 186.
 Civics entrance, 42.
 Civil Engineering, College, See College of Civil Engineering.
 Classical Philology, Studies in, 190.
 Class Memorials, 200.
 Class Secretaries Association, 199-200.
 Clinic, Small Animal, 126.
 College Credit at entrance, 47.
 College Entrance Examination Board, 45.
 College Faculties, Constitution of, 10.
 College of Agriculture, 128-148.
 academic year, 134.
 admission, 41-48.
 extension work, 135.
 library, 176.
 third term, 134, 293.
 tuition, 48.
 Winter Courses, 136, 321-322.
 Architecture, 149-154.
 admission, 41-48.
 fees, 49.
 tuition, 48.
 Arts and Sciences, 71-101.
 admission, 41-48.
 tuition, 48.
 Civil Engineering, 155-162.
 admission, 41-48.
 tuition, 48.
 Law, 102-106.
 admission, 41-48.
 tuition, 48.
 Mechanical Engineering, 163-173.
 admission, 41-48.
 tuition, 48.
 Medicine. See Medical College.
 Sibley. See College of Mechanical Engineering.
 Veterinary, 121-127.
 admission, 41-48.
 tuition, 48.
 Colleges of the University, 10.
 Commencement Forty-Eighth Annual, 215-226.
 Committee, Graduate, 51.
 Committees, of University Faculty, 37.
 Standing, of Trustees, 9.
 Comparative Philology, 81.
 Comparative Semitic Philology, 81.
 Coptic, 81.
 Cornell Law Quarterly, 104.
 Cornell Studies in Classical Philology, 190.
 in Philosophy, 190.
 Corson Browning Prize, 180, 225.
 French Prize, 180, 226.
 Council, Agricultural College, 9, 128.
 Council, Cornellian, 195.
 Library, 176.
 Medical College, 9.
 Veterinary College, 9, 122.
 Credit, College at entrance, 47.
 Dairy Industry, 138, 212.
 Dana Prizes, 182.
 Dearstyne, Florence, Fund, 190.
 Debate, Prize in, 225.
 Declamation, Prize in, 180, 225.
 Degree, Bachelor of Architecture, 149.
 Bachelor of Arts, 78.
 Bachelor of Chemistry, 80.
 Bachelor of Laws, 102.
 Bachelor of Science, 134.
 Civil Engineer, 156.
 Doctor of Medicine, 113.
 Doctor of Philosophy, 51.
 Doctor of Veterinary Medicine, 122.
 Master, 51.
 Mechanical Engineer, 165.
 Degrees, A.B. and B.Arch., 152.
 A.B. and C.E., 158.
 A.B. and LL.B., 103.
 A.B. and M.D., 115.
 A.B. and M.E., 169.
 B.Arch. and C.E., 152.
 B.S. and D.V.M., 135.
 Degrees Conferred, See Commencement.
 Dermatology, 118.
 Descriptive Geometry, 160.
 Design, Machine, 171.
 Diploma, Arts College Entrance, 45.
 Fee, 49.
 Science College Entrance, 45.
 Diplomats, 90.
 Doctor of Medicine, 113.
 of Philosophy, 51.
 of Veterinary Medicine, 122.
 Drawing.
 Agriculture, 139, 213.
 Architecture, 153.
 Civil Engineering, 160.
 Entrance subject, 42.
 Mechanical Engineering, 171, 210.
 Early English Text Society Prizes, 182.
 Eastman Prize, Public Speaking, 181, 225.
 Economics, 90, 207.
 Home, 143.
 Economy, Rural, 146.
 Education, Department of N. Y. State, 45.
 Education, Science and Art of, 89, 205.
 Rural, 147.
 Egyptian, 81.
 Eighty-Six Memorial Prize, 180, 225.
 Electrical Engineering, 173.
 Elementary Algebra, entrance, 42.
 Embryology, 100, 119.

- Endowment, 7.
- Engineering, Bridge, 161, 210.
 - Civil, see College of.
 - Electrical, 173.
- Engineering, Experimental, 172.
 - Geodetic, 160.
 - Highway, 161.
 - Hydraulic, 160.
 - Industrial, 173.
 - Mechanical, see College of.
 - Mechanics, of, 171.
 - Municipal, 161.
 - Heat-Power, 172.
 - Railroad, 161.
 - Research, 172.
 - Rural, 147.
 - Sanitary, 161.
 - Shop fees, 49.
 - Topographic, 160.
- English, 85, 206.
 - as entrance subject, 42.
- English History, 90, 207; (entrance) 42.
- Enrollment summaries, 298-299.
- Entomology, 139, 213.
- Entrance, see Admission.
- Entrance, College Credit at, 47.
 - Credit, unit of, 41.
 - Diploma, Arts College, 45.
 - Diploma, Science College, 45.
 - Examinations, admission by, 44-45.
 - Examinations, College Board, 45.
 - Examinations, Cornell, 44-45.
 - Examinations, Cornell fees, 45.
 - Examinations, Cornell in New York, 44-45.
 - Examinations, Time, 45.
 - Foreign Language Requirements, 42.
 - Requirements, 41-48.
 - Subjects, 42.
- Epigraphy, Greek, 82.
 - Latin, 83.
- Essay, Prize in, 180, 225.
- Ethics, 87.
- Ethiopic, 81.
- European History, 90.
- Examinations, Entrance, College Board, 45.
 - Entrance, Cornell, 44-45.
 - Regents', 45.
- Expenses, see Payments.
- Expenses of the University, 7.
- Experimental Engineering, 172.
- Experiment Station, Agricultural Memoirs, 190.
- Experiment Station, Federal, 128.
- Extension Teaching, 141.
- Extension Work, College of Agriculture, 135.
- Faculties, Constitution of, 10.
 - Members of, See Colleges.
- Faculty University, Members of, 11-37.
- Farm Crops, 141.
- Farm Management, 141.
- Farm Practice, 142.
- Farm, The, 141.
- Federal Experiment Station, 128.
- Fees, 48-49.
- Fellowships and Prizes in Medical Colleges, 114.
- Fellowships and Scholarships, tuition for holders of, 53.
- Fellowships, Graduate, Holders, 183.
- Fellowships, Graduate School, 52.
- Fellowships, Honorary, 53.
- Finance, 91.
- Finance Committee, on, 9.
- Finances of the University, 7.
- Fine Arts, 87.
- Fine Arts, Frances Sampson Prize, 181.
- Floriculture, 142, 213.
- Flower, Veterinary Library, 176.
- Foreign Language requirements, entrance, 42.
- Forestry, 142.
- Foundation and endowment, 7.
- Foundation, Goldwin Smith Lecturers, 38, 77.
- Foundation, Schiff Lecturer, 38, 77, 84.
- Fraser Scholarship, 106, 179.
- Free Tuition, 48.
- French, 84, 206.
- French and German requirements in Graduate School, 51.
- French, entrance subject, 42.
- French Prize, Corson, 180, 226.
- Freshman, Admission of, 41.
- Freshman Courses in Arts and Sciences, 79.
- Fuertes Medals, 162, 181, 225.
- Fuertes Memorial Prizes, 162, 182, 226.
- General Memorial Hospital, 112.
- Geodetic Engineering, 160.
- Geographical Summary of students, 299.
- Geography, 210.
 - Historical, 90.
 - Physical, 100.
 - Physical (entrance subject), 42.
- Geology, 100-101, 210.
- Geometry, Plane, entrance, 42.
 - Solid, entrance, 42.
- German, 83, 206.
 - and French requirements in Graduate School, 51.
 - entrance subject, 42.
- Goldwin Smith, Foundation Lecturers 38, 77.
- Goldwin Smith Hall Library, 175.
- Gothic, 84.
- Government of the University, 7.
- Graduate Prize in Philosophy, 53, 182, 226.
- Graduate School, 50-53.
 - admission, 50.
 - admission of seniors, 50.
 - advanced degrees, 220-225.
 - Faculty, 10.
 - fellowships and scholarships, 52.
 - tuition fees, 48.

- Graduate Students, 1916-1917, 54-64.
 Graduate Students, Summer of 1916, 65-70.
 Graduate Theses, Titles of, 220-225.
 Graduate work in Summer, 51-52.
 Graduate Work in Third Term, Agriculture, 51.
 Graduation fee, 49.
 Greek, 81, (entrance) 42.
 Antiquities, 82.
 Art, 82.
 Epigraphy, 82.
 History, 89.
 Sculpture, 82.
 Guilford Essay Prize, 180, 225.
 Guiteau Student Loan Fund, 189.
 Gymnasium, 188.
 Gynecology, 118.

 Hebrew, 81.
 High School, General subjects, entrance, 42.
 Highway Engineering, 161.
 Histology, 100, 119.
 Historical Geography, 90.
 History, American, 90, 207; (entrance) 42.
 Ancient, 89; (entrance) 42.
 English, 90, 207; (entrance) 42.
 European, 90.
 Greek, 89.
 Medieval, 89.
 Modern, 90; (entrance) 42.
 Oriental, 81.
 Roman, 89.
 Holders of Fellowships and Scholarships, 183-185.
 Hollingworth Honorarium, 182, 226.
 Home Economics, 143, 213.
 Honorary Fellowships, 53.
 Hospital Appointments, 116-117.
 Hospital, Bellevue, 112, 116.
 General Memorial, 112.
 Manhattan State, 112.
 New York, 112, 116.
 Hydraulic Engineering, 160.
 Hydraulics, 160, 210.
 Hygiene, 119.
 Committee on, 37.

 Icelandic, 84.
 Icelandica, 190.
 Income of the University, 7.
 Infirmary, 186; (fee) 49.
 Institute, Neurological, 112.
 Instruction, Officers of, 11-37.
 Instructors, List of, 11-32.
 Intermediate Algebra (entrance) 42.
 Italian, 85; (entrance) 42.

 Journal of Physical Chemistry, 190.
 Jurisprudence, Medical, 119; Veterinary, 127.

 Laboratory fees, general, 49.
 Loomis, 112.

 Landscape Art, 144, 213.
 Language, foreign requirements, entrance, 42.
 Laryngology, 118.
 Latin, 82, 207; (entrance) 42.
 Law, College of, 102-106.
 Library, 176.
 Practice Department, 104.
 Scholarship, Boardman, 106, 179.
 Lecturers, Non-Resident, 1915-1916, 38.
 Library, (University), 174.
 Agricultural College, 176.
 Barnes Reference, 176.
 Collections, 174.
 Council, 174.
 Flower Veterinary, 176.
 Goldwin Smith Hall, 175.
 Hart Memorial, 175.
 Law, 176.
 Medical (New York), 176.
 Stimson Hall Medical, 176.

 Limnology, 139.
 Loan Funds, 189.
 Logic, 87.
 Loomis Laboratory, 112.

 Machine Construction, 171.
 Design, 171.
 Manhattan State Hospital, 112.
 Manual Training (entrance) 42.
 Master's Degree, 51.
 for summer work, 51.
 Materia Medica, 116, 126.
 Mathematics, 92, 208.
 Matriculation fee, 49.
 Meat Inspection, 127.
 Mechanical Engineering (College of), 163-173.
 admission, 41-48.
 shop fees, 49.
 tuition, 48.
 Mechanic Arts, 163-173.
 Prizes, 181.
 Mechanics, Applied, Civil Engineering, 160.
 Mechanics of Engineering, 171, 210.
 Medals, 180-182.
 Brown Memorial, 154, 181.
 Fuertes, 162, 181.
 Sands Memorial, 154, 181.
 Medical Advice, 186.
 Medical Bulletin, 190.
 Medical College, 107-120.
 academic year, 113.
 admission, 112.
 Council, 9.
 fellowships and prizes, 114.
 publications, 190.
 special courses, 113.
 tuition, 48, 113.
 Medical Jurisprudence, 119.
 Medical Library Stimson Hall, 176.
 New York City, 176.

- Medical, Medicine, 116.
- Veterinary, 127.
- Medieval History, 89.
- Memoirs, Agricultural Experiment Station, 190.
- Memorials, Class, 200.
- Messenger, L. L., Prize 180, 226.
- Meteorology, 144, 213.
- Middle Ages, 89.
- Military Science and Tactics, 101, 186.
- Certificates in, 225.
- Miller, Jane Prize, 182, 225.
- Mineralogy, 100.
- Modern History, 90; (entrance), 42.
- Morrison, J. T. Prize, 181, 226.
- Morrison Trophy Cup Prize, 182.
- Municipal Engineering, 161.
- Music, 92, 207.
- Mythology, 81, 82, 84.

- Nature Study, 139, 213.
- Neurological Institute, 112.
- Neurology, 118.
- New York Hospital, 112, 116.
- Ninety-Four Memorial Prize, 180, 225.

- Obstetrics, 117, 127.
- Officers of Instruction and Administration, 11-37.
- Ophthalmology, 118.
- Oratory, Prizes in, 180, 225.
- Oriental History, 81.
- Ornithology, 139, 141.
- Orthopedic Surgery, 119.
- Otology, 119.

- Pack, C. L. Prize, 182.
- Padgham, Frank William Scholarship, 170, 178.
- Paleography, 90.
- Paleontology, 101.
- Pass cards for Regents' examinations, 45.
- Pathology, Medical, 116-118.
- Plant, 145.
- Psycho-, 118.
- Veterinary, 127.
- Payments to the University, 48-49.
- Pediatrics, 118.
- Percy Field, 188, 189.
- Petrography, 100.
- Pharmacology, 116.
- Philology, French, 85.
- Germanic, 84.
- Cornell Studies, 190.
- Philosophical Review, 190.
- Philosophy, 87, 205.
- Cornell Studies in, 190.
- Graduate Prize in, 53, 182, 226.
- Phonetics, 84, 85.
- Physical Chemistry, Journal of, 190.
- Physical Culture, 188; (fee), 49.
- Education, 101.
- Physical Examinations, 186.
- Training, 101.
- Physical Geography, 100; (entrance), 42.
- Physics, 94, 208; (entrance), 42.
- Physiology, 99, 115, 120.
- Veterinary, 126.
- Plane Geometry, entrance, 42.
- Plane Trigonometry, entrance, 42.
- Plant Breeding, 144, 213.
- Plant Pathology, 145.
- Poetry, J. T. Morrison, Prize 181.
- Polish Student Loan Fund, 190.
- Political Science, 90.
- Polk, J. M. Prizes, 181.
- Pomology, 145, 213.
- Poultry Husbandry, 146, 213.
- Power Engineering, 172.
- Preachers, List of, 39-40.
- Prizes, 180-182, 225-226.
- Prizes and Fellowships, in Medical College, 114.
- Prizes awarded 1915-1916, 225-226.
- Professors, List of, 11-37.
- Provençal, 85.
- Psychology, 88, 205.
- Psycho-Pathology, 118.
- Publication, Official, 190.
- Public Speaking, 87, 206.
- Prizes in, 180-182; 225.

- Railroad Engineering, 161.
- Regents' Examinations, 45.
- Registration, summaries, 298-299.
- Requirements for admission, 41-48.
- Residential Halls, 186.
- Review, Philosophical, 190.
- Rhinology, 118.
- Roberts' Scholarship Fund, 179.
- Röntgenology, 119.
- Roman Antiquities, 82.
- Art, 82.
- History, 89.
- Law, 89.
- Romance Languages, 84.
- Rural Economy, 146, 214.
- Rural Education, 147, 214.
- Rural Engineering, 147, 214.

- Sage Chapel, 186.
- Sampeon, Frances, Pine Arts Prize, 181, 225.
- Sands Memorial Medal, 154, 181, 226.
- Sanitary Engineering, 161.
- Scandinavian, 84.
- Schiff Foundation, Lecturer, 38, 77, 84.
- Schoellkopf Field, 188, 189.
- Schoellkopf Memorial, 189.
- Scholarship Fund Roberts, 179.
- Scholarships, 177-179.
- Boardman, 179.
- Buffalo Alumni Association, 179.
- Fraser, 179.

- Scholarships, Graduate, 52-53.
 Holders of, 184, 185.
 Padgham, 178.
 State, 177.
 Scholarships, State Grange, 178.
 University Undergraduate, 177; (holders), 185.
 School certificate, admission by, 46.
 Science and Art of Education, 89, 205.
 Science College Entrance Diploma, 45.
 Sculpture, Greek, 82.
 Second Term, admission at, 44.
 entrance examinations, 45.
 Seidell, W. C. Book Fund, 190.
 Semitic Languages, 81.
 Seniors, admission to Graduate School, 50.
 Arts and Sciences in other colleges, 78.
 Shakespeare Prize, Barnes, 180.
 Sherman-Bennett Prize, 180, 226.
 Shop Fees, 49.
 Sibley College, 163-173.
 admission, 41-48.
 fees, 49.
 tuition, 48.
 Sibley Prizes in Mechanic Arts, 180, 181, 225.
 Social Science, 91.
 Soil Technology, 147, 214.
 Solid Geometry (entrance) 42.
 Spanish, 85, 206; (entrance), 42.
 Spanish, J. G., White Prizes 180.
 Special Courses in Medical Colleges, 113.
 Special Students, admission of, 47. See Colleges, admission.
 tuition and fees, 48-49.
 Spherical Trigonometry, entrance, 42.
 State Grange Scholarships, 178.
 State Scholarship Alumni Fund, 190.
 State Scholarships, 177.
 Statistics, 91, 92.
 Stewart Prize, 182, 226.
 Stimson Hall, 112.
 Medical Library, 176.
 Students, Graduate, 1916-1917, 54-64.
 Summer, 1916, 65-70.
 Students in Residence, Dec. 1, 1916, 227-293.
 Summer Session, 1916, 300-320.
 Third Term Agriculture, 293-297.
 Winter Courses Agriculture, 321-322.
 Studies in Classical Philology, 190.
 Studies in Philosophy, 190.
 Subjects, Entrance, 42.
 Summary of Registration, 298-299.
 Summer, Graduate Work in, 51-52.
 Summer School in Agriculture, 1916, 211-214.
 tuition, 48.
 Summer Session, 1916, 202-214; (students), 300-320.
 Summer Session, credit toward graduation, 204.
 graduate work, 51.
 Summer Session, tuition, 48, 204.
 Surgery, 117; (Veterinary), 126.
 Therapeutics, 117.
 Theses, Arts and Sciences, 79.
 Graduate, titles, 220-221, 223-225.
 Third Term College of Agriculture, 51, 134, 293.
 Graduate work, 51.
 Titles of Graduate Theses, 220-221, 223-225.
 Topographic Engineering, 160.
 Trigonometry, entrance, 42.
 Trustees, Alumni, 8.
 Board of, 8.
 Standing committees, 9.
 Tuition fees, 48-49.
 Tuition, free, 48.
 Undergraduate Colleges, Tuition, 48.
 Undergraduate Scholarships, 177.
 Unit of credit, definition for certificate, 46.
 University, Faculties of, 10.
 Faculty, 10.
 Faculty Committees, 37.
 Library, 174.
 Preachers, 39-40.
 Undergraduate Scholarships, 177, 185.
 Year, 41.
 University Year, 41.
 Agriculture, 134.
 Medicine, 113.
 Urology, 118.
 Vegetable Gardening, 147, 214.
 Veterinary College, 121-127.
 admission, 41-48.
 Council, 9, 122.
 prizes, 180-182, 226.
 tuition, 48.
 Veterinary Library, Flower, 176.
 Veterinary Practitioners, Study, 125.
 Veterinary Students Certificates, 43.
 White, H. K., Prizes, 181, 225.
 White, J. G., Prizes in Spanish, 180, 226.
 Whiting Otology Prizes, 182.
 Winter Courses, College of Agriculture, 136, 321-322.
 tuition, 48.
 Woman's Guild Fund, 190.
 Women Students' Loan Fund, 190.
 Woodford Prize, 180, 225.
 Wurts Loan Fund, 190.
 Zoology, 99, 210; (entrance), 42.

INDEX OF NAMES

- Abell, M. F., 32, 133.
 Adam, J. D., 39.
 Adams, B., 11, 129, 142.
 Adams, J. Q., jr., 11, 71, 85, 86, 87.
 Adams, J. W., 122.
 Adamson, W. A., 32, 75, 96, 111.
 Albee, E., 11, 71, 87, 88.
 Albert, C. D., 11, 163, 171, 173.
 Alexander, C. P., 11, 131, 141.
 Alexander, W. P., 32, 133.
 Allen, A. A., 11, 71, 99, 130, 202, 210.
 Allen, C. E., 32, 75, 111, 122.
 Allen, C. L., 32, 133, 137.
 Allen, R., 32, 133.
 Anderson, E. G., 32, 87, 133.
 Anderson, R. P., 11, 71, 96, 97, 202, 209.
 Andrae, W. C., 11, 164, 171.
 Andrews, A. L., 11, 71, 83, 84.
 Andrews, E. P., 11, 71, 82.
 Andrews, F. E., 146, 211, 214.
 Andrews, W. A., 32, 75.
 Antell, H., 32, 75.
 Armbruster, F. W., 11, 164, 171.
 Armstrong, E. M., 32, 110.
 Asmus, H., 11, 121, 127.
 Atkinson, G. F., 11, 71, 98.
 Atkinson, R. V., 32, 75, 101, 202, 205.
 Austen, W. H., 11, 92, 174.
 Ayres, O. R., 174.
 Ayres, W. E., 11, 131.

 Babcock, H. E., 11, 130.
 Baerg, W. J., 32, 133, 139.
 Baidon, J. K., 32.
 Bailey, A., 32, 75, 94.
 Bailey, E. J., 11, 71, 85, 86, 202, 206.
 Bailey, H. C., 11, 108, 117.
 Baker, B. H., 32.
 Baker, T. A., 11, 131, 137, 211, 212.
 Baker, W. C., 11, 129, 139.
 Balderry, F. C., 38, 186.
 Baldwin, D. L., 11, 71, 85, 202, 206.
 Ballard, W. C., jr., 11, 164, 173, 202, 208.
 Bancroft, W. D., 11, 71, 97, 190.
 Banks, D. K., 32, 165, 172.
 Bannister, L. W., 38, 102, 105.
 Barbour, C. A., 40.
 Barbour, E. H., 38.
 Barker, E. E., 12, 130, 144, 145, 211, 213.
 Barnard, W. N., 12, 37, 163, 172, 174.
 Barnes, F. A., 12, 155, 161, 162.
 Barringer, B. S., 12, 108, 118.
 Barron, J. H., 12, 130.
 Barrows, D. N., 12, 108, 118.
 Barrus, M. F., 12, 129, 145.
 Bason, G. F., 12, 164, 173.

 Bauder, H. D., 32, 133, 138.
 Baxter, H. E., 12, 149, 153, 154.
 Beal, A. C., 12, 129, 142.
 Bean, W. C., 12, 71, 153.
 Beard, C. A., 39.
 Beaumont, A. B., 32, 132.
 Bechtel, A. R., 12, 132, 137.
 Bedell, C., 165.
 Bedell, F., 12, 71, 95.
 Beekman, F., 12, 108, 117.
 Behrends, F., 12, 132.
 Beitz, W. E., 12, 155, 161.
 Benedict, S. R., 12, 102, 116, 118.
 Benjamin, E. W., 12, 130, 146, 211, 214.
 Bennett, C. E., 12, 37, 71, 82, 83, 190.
 Benson, C. B., 32.
 Benson, J. P., 32, 133.
 Bentley, J., jr., 12, 129, 142, 143.
 Berry, C. H., 12, 163, 172.
 Berston, J. L., 32.
 Besemer, A. M., 12, 131, 138, 139.
 Betten, C., 12, 129, 140, 211.
 Bets, H., 12, 71, 93.
 Bidwell, C. C., 12, 71, 94.
 Billings, W. A., 32, 121.
 Binkerd, R. S., 39.
 Birch, R. R., 12, 121.
 Bird, R. G., 32.
 Birdseye, M., 12, 130.
 Bishop, H. G., 32, 75, 88, 89, 202, 205.
 Bishop, S. C., 32.
 Bitting, W. C., 40.
 Bizzell, J. A., 12, 129, 147.
 Black, H., 39.
 Blackmore, B., 32, 132, 143, 211, 213.
 Blaker, E., 12, 37, 71, 94, 95, 202, 209.
 Blauvelt, G. A., 105.
 Block, N. B., 33, 164, 171.
 Blodgett, P. M., 12, 130, 145.
 Blood, C. H., 8, 9, 174.
 Bock, J. C., 13, 108, 116.
 Bodansky, A., 33, 75, 111.
 Boesche, A. W., 13, 37, 71, 83, 84, 202, 206, 207.
 Bogert, G. G., 13, 102, 103, 104.
 Boldt, G. C., 9.
 Bolling, R. W., 33, 110.
 Bonn, M. J., 38, 77.
 Boring, E. G., 13, 71, 88, 89, 202, 205.
 Bostwick, C. D., 9, 38.
 Botsford, H. E., 33, 133.
 Boulter, L. H., 13, 71, 85.
 Boutelle, C. A., 13, 130.
 Bown, R. A., 13, 71, 94, 95.
 Boyle, J. R., jr., 33, 75.
 Brackett, E. T., 105.
 Bradford, E. P., 133, 144.

- Bradford, L. J., 13, 164, 171.
 Bradley, G. H., 33, 133.
 Bradley, J. C., 13, 71, 120, 139, 140.
 Bradley, J. F., 13, 71.
 Brannon, J. M., 13, 132, 138.
 Braun, H., 33.
 Brauner, O. M., 13, 149, 153, 154.
 Bray, M. W., 33, 75, 95.
 Bregger, T., 33, 133, 144.
 Bremer, H. E., 33, 133.
 Bretz, J. P., 13, 37, 71, 90, 202, 207.
 Brewer, S. L., 13, 132, 143, 211, 213.
 Brewster, C. S., 211, 213, 214.
 Brezee, E. L., 33, 110.
 Brickley, H. A., 13.
 Bridgman, J. A., 33, 75, 96, 97.
 Briggs, T. R., 13, 71, 97, 209.
 Brink, F. G., 75.
 Bristol, G. P., 13, 37, 71, 81, 89, 190, 202, 207, 211.
 Brockway, A. L., 39, 149.
 Bromley, J. H., 33, 133.
 Brooks, C. A., 33, 164, 171.
 Brooks, F. D., 33.
 Brooks, H. J., 33, 133.
 Broughton, L. N., 13, 71, 85, 86, 87, 202, 206.
 Broun, L., 13.
 Brown, E., 33.
 Brown, H. W., 13, 164, 173.
 Brown, K. C., 33, 75.
 Brown, L. G., 33, 133.
 Brown, T. B., 13, 71, 94, 202, 209.
 Browne, A. W., 13, 37, 71, 95, 96, 97, 122, 202, 209.
 Browne, F. L., 75.
 Bruere, A. H., 191.
 Brundage, W. H., 33, 110.
 Bryant, L., 202, 208.
 Buchan, H. P., 146, 210, 214.
 Buck, W. B., 33, 164, 171, 202, 205, 210.
 Buckley, K., 13, 108, 117.
 Buckman, H. O., 13, 129, 147, 211, 214.
 Bull, H. W., 38, 186.
 Bundy, M. W., 13, 71, 85.
 Burdick, C. K., 13, 102, 103, 104.
 Burke, P. T., 13, 109, 118.
 Burlage, S. R., 33, 75, 111.
 Burnett, S. H., 13, 121, 127.
 Burnham, L. P., 13, 149, 153, 154.
 Burr, E. T., 33.
 Burr, G. L., 13, 71, 89, 90, 174.
 Burritt, M. C., 14, 129, 147.
 Burrows, E. N., 14, 155, 161, 202, 210.
 Burt, W., 39.
 Burton, T., 38.
 Bush, H. S., 33, 164, 171.
 Bush, J. A., 165.
 Butterfield, W., 202, 208.
 Buttery, C. J., 33, 75, 84.
 Campbell, R. A., 14, 71, 90, 91, 103.
 Canfield, E. B., 14, 37, 71, 101.
 Canon, H., 33, 132.
 Carnegie, A., 9.
 Carnes, M., 33, 75.
 Carney, H. B., 100.
 Carpenter, J. E., 38.
 Carpenter, J. M., 14, 71, 84, 85.
 Carpenter, R. C., 14, 163.
 Carrick, D. B., 33, 133, 145.
 Carroll, C. A., 14, 71.
 Carver, W. B., 14, 71, 93, 202, 208.
 Case, F. O., 95.
 Cass, C. D., 156.
 Cassassa, C. S. B., 33, 110, 118.
 Cavanaugh, G. W., 14, 72, 97, 128.
 Cecil, R. L., 14, 108, 116.
 Chamberlain, G. R., 14, 149, 153.
 Chamberlain, R. F., 14, 164, 173.
 Chambers, R., 33, 108, 115.
 Chamot, E. M., 14, 72, 97, 202, 209, 210.
 Champ, K. B., 33, 75.
 Chandler, W. H., 14, 129, 145, 146.
 Chandler, W. L., 14, 132, 140.
 Chapman, W. F., 33, 75.
 Cheney, L. D., 33, 110.
 Church, I. P., 14, 155.
 Cilley, A. H., 14, 109, 119.
 Claassen, P. W., 33.
 Clark, C. N., 33, 75.
 Clark, C. P., 14, 132.
 Clark, F. C., 121, 126.
 Clark, H. H., 14, 164, 171.
 Clark, R. E., 14, 164, 172.
 Clemenger, F. J., 33, 110.
 Coca, A. F., 14, 108, 117.
 Cogswell, H. E., 202, 208.
 Cole, H. I., 33, 75, 97.
 Cole, L. G., 14, 108, 119.
 Coleman, W., 14, 107, 116.
 Coley, W. B., 14, 107, 117, 118.
 Collingwood, G. H., 14, 130.
 Collucci, F., 14, 72.
 Colquhoun, M. I., 165.
 Coma, A. S., 14, 72.
 Comfort, W. W., 14, 72, 84, 85, 202, 206.
 Comstock, A. B., 14, 129, 140, 211, 213.
 Comstock, J. H., 9, 15, 72, 128.
 Conlin, H. J., 33, 97, 132.
 Conner, E., 33, 110.
 Conner, L. A., 15, 107, 116.
 Conwell, W. L., 15, 155, 161, 162.
 Cook, G. K., 33, 75, 111.
 Cook, L. E., 33, 133.
 Cooke, W. P., 105.
 Cooper, L., 15, 72, 86.
 Cornell, C. E., 8, 9, 38.
 Cornell, W. R., 15, 163, 171.
 Corwin, C. D., 15.
 Cota, A. R., 15, 164, 173.

- Coursault, J. H., 202, 205.
 Cowan, R. W. E., 33, 132.
 Craig, C. F., 15, 72, 93.
 Craig, W. T., 131.
 Crandall, C., 15, 155, 160, 161, 162.
 Crandall, C. L., 15, 155.
 Crandall, F. B., 40.
 Crane, M. D., 33, 75.
 Crane, T. F., 15, 72, 200.
 Creighton, J. E., 15, 72, 87, 88, 121, 190.
 Crichtlow, H. T., 15, 155, 160.
 Crosby, C. R., 15, 129.
 Crosby, D. J., 15, 129.
 Cross, L. J., 15, 97, 129, 211, 212.
 Crouch, F. M., 39.
 Culbertson, A. L., 33, 75.
 Culligan, C. A., 165.
 Curtis, C. E., 38.
 Curtis, O. F., 15, 131, 138.
 Curtis, R. W., 15, 129, 144, 211, 213.

 Dallenbach, K. M., 15, 72.
 Daly, T. A., 38.
 Dalzell, A. H., 33, 75.
 Dana, C. L., 15, 107, 118.
 Daniels, L. H., 174.
 Dann, A. B., 15, 131, 146, 211, 214.
 Dann, H. E., 15, 72, 92, 202, 208.
 Dann, H. H., 33, 75.
 Davenport, H. J., 15, 72, 90, 92.
 Davidsen, H. C., 15, 37, 72, 83, 84, 202, 206, 207.
 Davis, A. C., 15, 164, 172.
 Davis, E. G., 129, 144.
 Davis, H. B., 33, 110.
 Davis, H. K., 15, 72, 99, 111, 119.
 Davis, K. B., 39.
 Day, J. R., 39.
 Day, R. B., 15, 164, 171.
 Dean, E., 132.
 Deans, W., jr., 15, 164, 173.
 Deatrick, E. P., 33, 132.
 Dederick, F. V., 33.
 DeGarmo, C., 16, 72.
 Demaree, C. C., 33, 133.
 DeMott, H. V., 145.
 Dennis, F. S., 16, 107.
 Dennis, L. M., 16, 72, 95, 96, 97, 122.
 Dicker, H. A., 33, 75.
 Dickson, B. T., 33, 145.
 Diederichs, H., 16, 163.
 Diederichs, H. N., 16, 164, 171.
 Diederichs, W. J., 16, 164, 172, 173.
 di Grassi, G., 174.
 Dimmick, F. L., 33, 75.
 Dix, J. A., 8, 9.
 Doetsch, I. H., 33, 133.
 Dorsey, E., 33, 133.
 Douglass, W. A., 33, 76, 96, 111.
 Dresbach, M., 16, 72, 99, 111, 120.
 Drummond, A. M., 16, 72, 87, 202, 206.
 Du Bois, C. O., 33.
 Dubois, E. F., 16, 110, 115, 116.
 Duff, G. H., 211, 212.
 Dunlap, V. C., 33, 76.
 Durham, C. L., 16, 72, 82, 83, 202, 207.
 Dusham, E. H., 33, 133.
 Dye, J. A., 34, 76, 111.
 Dynes, O. W., 16, 131, 141.

 Eames, A. J., 16, 130, 137, 138.
 Edgar, J. C., 16, 107, 117, 119.
 Edgerton, H. W., 16, 102, 103, 104.
 Edwards, J. H., 9.
 Eggleston, C., 16, 108, 116.
 Eichhorn, A., 122.
 Einhorn, M., 110, 116.
 Eliot, S. A., 39.
 Ellenberger, H. B., 16, 131, 138, 139.
 Ellenwood, F. O., 16, 163, 172.
 Elliott, C. H., 38.
 Elliott, G. T., 16, 107, 118.
 Elliott, J. L., 38.
 Elmendorf, H. M., 34, 76.
 Elmer, H. C., 16, 72, 82, 83.
 Elser, W. J., 16, 107, 118.
 Elston, E. D., 16, 72, 100, 202, 210.
 Embury, G. C., 16, 37, 129, 140, 211, 212, 213.
 Emerson, R. A., 16, 128, 145.
 Engelder, C. J., 34, 76, 96, 209.
 Engeln, O. D., von, 16, 72, 100, 203, 209.
 English, D., 16, 72, 91, 92.
 Erdman, S., 16, 108, 117.
 Erickson, L., 34, 132, 137.
 Erskine, A. M., 34, 76, 96, 202, 209.
 Eschweiler, C. F., 34.
 Evans, D. A., 34, 164.
 Evans, P. D. M., 34.
 Evans, S. M., 34, 110.
 Everest, G., 202, 205.
 Everett, G. A., 16, 129, 141.
 Everingham, S., 34.
 Ewing, J., 16, 107, 117, 118.

 Fairbanks, F. L., 165.
 Farber, N. G., 34.
 Farr, C. E., 17, 108, 117.
 Farrar, L. K. P., 17, 108, 118.
 Faull, J. H., 211, 212.
 Faust, A. B., 17, 72, 83, 84.
 Fenton, P., 17, 164, 171.
 Ferguson, J. S., 17, 108.
 Fippin, E. O., 17, 128, 147.
 Fish, P. A., 17, 121, 126.
 Fisher, W. L., 132.
 Fisk, W. W., 17, 130, 138, 139.
 Fiske, P. E., 17, 72.
 Pitch, C. P., 17, 121, 127.
 Pitch, J. A., 39.
 Fitzpatrick, H. M., 17, 130, 145.

- Flack, H., 195.
 Flagg, K. P., 34, 76.
 Fleming, B., 17.
 Fleming, E. G., 34, 76.
 Floyd, G. D., 17, 164, 173.
 Floyd, R., 17.
 Foglesong, J. E., 34, 76.
 Forbes, E. S., 39.
 Forbes, W. T. M., 17.
 Ford, W. S., 17, 163, 173.
 Foadick, H. E., 39.
 Foster, W. S., 17, 72, 89, 202, 205.
 Fowler, M., 174.
 Fox, K. C., 34, 134.
 Francis, D. R., 17.
 Fraser, A. C., 17, 131, 144, 145.
 Fraser, D. K., 202, 205.
 Fraser, K., 39.
 Frink, H. W., 17, 108, 118.
 Frost, J. N., 17, 121, 126, 139.
 Frost, S. W., 34, 132, 211, 213.
 Prost, W. S., 34, 134.
 Fuller, G. L., 34.
 Fuller, R. F., 34, 76, 153.
 Purlong, C. W., 38.

 Gaba, M. G., 17, 72, 93.
 Gage, G. R., 34, 133, 137.
 Gage, S. H., 17, 72, 110, 121.
 Gage, V. R., 17, 163, 172.
 Galloway, B. T., 211.
 Gamble, D., 34, 76.
 Garman, S. C., 133.
 Garner, E. F., 17, 164, 171.
 Garrett, C. L., 17, 132, 139.
 Garrett, S. S., 17, 163, 171.
 Garwood, R. D., 34, 76.
 Gates, J. G., 34, 165, 172.
 Gavett, W. J., 17, 164, 172.
 Gelas, J. M., 202.
 George, S. G., 18, 37, 155, 160.
 Georgia, A. F., 34, 132.
 Georgia, F. R., 18, 72, 97, 202, 210.
 Gere, J. B., 34, 110, 117.
 Germann, F. E. E., 18, 72, 94, 95.
 Gerster, J. C. A., 18, 108, 117.
 Gibbs, R. C., 18, 72, 94, 122, 202, 208.
 Gibson, A. W., 18, 132.
 Gibson, C. L., 18, 107, 117.
 Gibson, K. S., 94.
 Gibson, W. A., 18.
 Gilbert, A. H., 18, 72, 85, 86.
 Gilbert, A. W., 18, 128.
 Gilchrist, R., 34, 76, 96.
 Gilkey, C. W., 40.
 Gilkey, R., 18, 130, 141.
 Gill, A. C., 18, 72, 100, 101.
 Gillespie, D. C., 18, 72, 93, 202, 208.
 Gilman, H. L., 34.
 Gilman, R. E., 18, 72.

 Gleason, J., 18, 132.
 Globus, J. H., 34, 110, 115.
 Goldberg, S. A., 34, 121, 127.
 Goodell, C. L., 40.
 Goodridge, M., 18, 108, 109, 117.
 Goodsell, I. D., 34.
 Goodwin, A. J., 38, 186.
 Gorman, S. C., 34.
 Graham, R. W., 18.
 Graham, S. A., 34.
 Grantham, G. E., 34, 76.
 Gray, A. M., 18, 163, 173.
 Gray, H. T., 34.
 Greenland, C. W., 18, 72.
 Gregory, C. T., 18, 130, 145.
 Gregory, E. W., 165.
 Grier, L., 34.
 Griffin, F. L., 18, 129, 211, 214.
 Griffis, W. E., 39.
 Griffith, J. E., 202, 205.
 Griscom, L., 33, 34.
 Griswold, R. E., 34, 134.
 Gudernatsch, J. F., 18, 108, 115.
 Guerlac, O. G., 18, 72, 85.
 Guise, C. H., 18, 131, 142, 143.
 Gunn, S. M., 39.
 Guthrie, E. S., 18, 129, 138, 139.
 Gutsell, H. S., 18, 149, 153.
 Gutsell, R. S., 34, 76, 111.

 Haber, V. R., 34, 133.
 Hagan, W. A., 18, 121.
 Hallock, E. W., 34, 133.
 Ham, C. W., 18, 37, 163, 171, 202, 205, 210.
 Ham, E. S., 18, 131, 137.
 Haman, M. B., 34.
 Hamilton, C. C., 34, 133.
 Hamilton, G. L., 19, 72, 84, 85.
 Hamlen, G. D., 19, 109, 117.
 Hammond, W. A., 19, 73, 81, 87, 88.
 Hamnett, F. S., 34.
 Hancy, A. J., 34, 132, 138.
 Hardenburg, E. V., 19, 131, 141.
 Harper, M. W., 19, 129, 137.
 Harrington, C. E., 34, 165, 171.
 Harrington, L., 156.
 Harris, G. D., 19, 73, 101.
 Harris, G. W., 19.
 Harrison, G. R., 18, 73.
 Hartwell, J. A., 19, 108, 117, 118.
 Hartzog, J. R., 34, 134.
 Harvey, L. E., 19, 131, 141.
 Haskell, E. E., 19, 155, 161.
 Haskell, R. J., 19, 131.
 Hastings, T., 38, 149.
 Hastings, T. W., 19, 107, 116.
 Hatcher, R. A., 19, 107, 116, 119.
 Hausman, L. A., 19, 131, 144, 211, 213.
 Hawkins, L. S., 130, 211.
 Hawley, I. M., 34.

- Hayden, C. E., 19, 121, 126.
 Hayes, A., 19, 92, 102, 104.
 Hayes, H. E., 19, 155, 160, 171.
 Hayes, L. D., 19, 163.
 Haynes, I. S., 19, 107, 115, 117.
 Haynes, R., 38.
 Hazard, B. E., 19, 130, 143, 144.
 Hazen, L. E., 19, 131, 147.
 Head, W. F., 165.
 Head, W. L., 34, 164, 171, 210.
 Headlee, T. J., 39.
 Hebel, J. W., 19, 73, 85, 86.
 Heimann, W. J., 19, 109, 118.
 Heinicke, A. J., 19, 131, 145, 211, 213.
 Heinsohn, E. C., 34.
 Henry, M. F., 19, 132, 143.
 Hermannsson, H., 19, 73, 84, 174.
 Herrick, G. W., 19, 37, 73, 129, 139, 140.
 Hersom, C. A., 34.
 Hesler, L. R., 20, 130, 145.
 Hess, W. N., 34, 132, 139.
 Heuser, G. F., 133.
 Hewett, W. T., 20, 73.
 Hill, M. E., 34, 132.
 Hill, R. H., 20, 73, 111, 120, 133.
 Hiscock, F. H., 9.
 Hitchcock, H. A., 20, 37, 38, 191, 195, 199.
 Hitsrot, J. M., 20, 108, 117.
 Hoag, A. E., 20, 109, 117.
 Hoch, A., 20, 107, 118, 119.
 Hodson, E. A., 34, 134.
 Hoel, A. B., 34, 76.
 Hoerrner, W. H., 202, 207, 208.
 Hoguet, J. P., 20, 109, 117.
 Holladay, E. W., 20, 109, 118.
 Holland, A. L., 20, 109, 116.
 Hollingworth, W. G., 122.
 Holmes, J. H., 40.
 Holmes, M. D., 20, 132.
 Holmes, S. V. V., 40.
 Holt, H. A., 34, 76.
 Honey, E. E., 34, 133.
 Hook, J. S., 100, 101.
 Hook, W. H., 20, 163, 172.
 Hooper, L., 34, 164, 171, 202, 205, 210.
 Hopkins, E. F., 20, 132, 145.
 Hopkins, G. S., 20, 121, 126.
 Hopper, H. A., 20, 129.
 Horta, V., 39, 149.
 Homer, R. S., 20, 128, 142.
 Hotchkiss, H. J., 20, 164.
 Hotchkiss, H. V., 20, 155, 160, 171.
 Hough, C. C., 34, 165, 171.
 Howe, B. N., 34, 164, 171.
 Howell, S. P., 35, 76.
 Hoy, D. F., 20, 37, 200, 202, 211.
 Hubbard, R., 35, 99, 133, 141.
 Hubbell, B. S., 38, 149.
 Hubert, M. J., 35, 76, 84, 202, 206.
 Hughes, M. C., 20, 164, 173.
 Huff, S. B., 35, 133.
 Hugins, C. R., 20, 73, 90, 103.
 Hull, C. H., 20, 73, 90.
 Hunn, A. E., 20, 131, 143, 211, 213.
 Hunn, C. E., 35, 132, 144.
 Hunt, H. A., 202, 208.
 Huntoon, F. M., 20, 109, 118.
 Hurd, L. M., 20, 131.
 Hurwitz, W. A., 20, 73, 93, 203, 208.
 Hutchinson, J. I., 20, 73.
 Hutchison, C. B., 20, 129, 145.
 Hutton, W. H. H., 191.
 Ickelheimer, H. R., 8, 9.
 Ingersoll, E. S., 174.
 Irish, W. M., 191, 200.
 Jack, L., 35, 133.
 Jackson, H. C., 35, 133, 138, 139.
 Jackson, H. E., 40.
 Jackson, H. S., 211, 212.
 Jackson, H. W., 20, 109, 116.
 Jackson, S. D., 35, 76, 96.
 Jacoby, H. S., 20, 155, 161, 162.
 Jacoby, J. E., 20, 73.
 Jacot, A. P., 99.
 Jaffin, J. M., 76.
 Jagger, I. C., 21.
 Janes, A. L., 203, 207.
 Janeway, H. H., 118.
 Jenks, L. E., 35, 96.
 Jenness, J. R., 35, 76.
 Jennings, D. S., 35, 132.
 Johannsen, O. A., 21, 73, 129, 139, 140, 211, 212.
 Johnson, E. B., 35, 96.
 Johnson, G. A., 35, 76, 91, 92, 111.
 Johnson, H. E., 21, 121.
 Johnston, J. C., 108, 118.
 Johnstone, A. E., 202, 208.
 Jonas, J. B. E., 203, 206, 207.
 Jones, H. L., 21, 73, 81.
 Karapetoff, V., 21, 163, 173.
 Karpas, M. J., 21, 109, 118.
 Kaufmann, A. L., 35, 76.
 Keays, P. L., 21, 109, 116.
 Kellogg, G., 35.
 Kellor, P. A., 39.
 Kenerson, A. S., 21, 131, 147, 148.
 Keniston, R. H., 21, 73, 85, 203, 206.
 Kennard, E. H., 21, 73.
 Kennedy, C. H., 35, 133.
 Kennedy, P., 108, 118.
 Kennedy, R. P., 21.
 Kent, O. B., 21, 131, 146, 211, 213, 214.
 Kenyon, J. H., 21, 109, 117.
 Kephart, G. S., 35.
 Keppler, C., 21, 119.
 Kerr, A. T., 21, 37, 73, 99, 110, 119.

- Keyes, E. L., jr., 21, 107, 118.
 Kilbourne, E. I., 35, 133.
 Kimball, D. S., 9, 21, 37, 91, 163, 171, 173, 203, 205, 210.
 King, A. C., 21, 129, 142.
 King, E. R., 21, 130, 139.
 King, R. W., 94.
 Kingery, H. M., 21, 73, 100, 111, 119, 122.
 Kingsbury, B. F., 21, 73, 100, 111, 119, 120, 122.
 Kirk, W., 95, 203, 209.
 Kirkpatrick, E. L., 21, 131, 147, 148.
 Klauder, C. Z., 38.
 Klinck, F. E., 21, 163, 172.
 Knight, F. H., 21, 73.
 Knight, H. H., 21, 132.
 Knoettge, C. H., 21, 155, 160, 161, 162.
 Knowlton, H., 211, 213.
 Knowlton, H. E., 35, 133, 138, 211, 212.
 Knox, C. C., 21, 164, 172.
 Knudson, L., 21, 129, 138, 211, 212.
 Koch, K., 35.
 Kochenderfer, C. C., 21, 73, 90, 103.
 Koenig, F. F., 22, 121, 127.
 Koller, J. P., 35, 76, 96, 203, 209.
 Koller, L. R., 35, 76.
 Kopald, L. J., 39.
 Kopman, C. R., 211, 214.
 Kovacs, P., 96.
 Kroeger, E. R., 203, 208.
 Krum, O. C., 35, 134.
 Krum, W. G., 22, 132.
 Kuhn, J. J., 105.
 Kunz, G. W., 35, 110.

 La Follette, R. J., 35.
 Lambert, A., 22, 107, 116.
 Landon, C. H., 35.
 Lappin, H. A., 22, 73, 85.
 Latshaw, J. B., 22, 121.
 Latta, J. S., 35, 76, 111.
 Lauman, G. N., 22, 73, 128, 146, 211, 214.
 Lauritzen, J. I., 35, 132.
 Law, J., 22, 121.
 Lawrence, L. A., 22, 155, 160.
 Le Braz, A., 39.
 Lee, B. J., 22, 108, 117.
 Lee, M. A., 22, 163, 171.
 Leland, E. W., 132.
 Leland, O. M., 22, 73, 93, 155, 160.
 Leonard, M. D., 35, 132.
 Leonard, S. J., 35, 76.
 L'Esperance, E. S., 22, 108, 117.
 Levy, F. M., 76.
 Lies, E. T., 39.
 Lindsay, R. W., 149.
 Lindstrom, E. W., 35, 133, 145.
 Lingle, T. W., 203, 207.
 Livermore, K. C., 22, 129, 141.
 Lloyd, J. T., 22, 130, 139, 140.
 Lobdell, R. N., 35, 132, 139.

 Long, T. S., 22, 73.
 Loon, H. W., van, 22, 73, 90.
 Louder, E. A., 35, 76.
 Love, H. H., 22, 128, 144, 145.
 Lumsden, D., 22, 130, 142, 211, 213.
 Lundell, G. E. F., 22, 37, 73, 96, 203, 209.
 Lunt, W. E., 22, 37, 73, 90, 103, 203, 207.
 Lusk, G., 22, 107, 115.
 Lynch, H. R., 156.
 Lyon, T. L., 22, 128, 147.

 McAnlis, C. R., 22, 155, 160.
 McAuliffe, G. B., 22, 109, 119.
 McCaskill, O. L., 22, 102, 103, 104.
 McClain, C. A., 22, 156, 160, 161.
 McClung, R. L., 35, 76.
 McClure, J. G. J., 39.
 McCorkle, W. E., 119.
 McCoy, D. C., 35, 76, 95, 203, 209.
 McCurdy, J. C., 23, 130, 147.
 MacCurdy, J. T., 23, 109, 118.
 McDaniels, L. H., 23, 131, 137, 211, 212.
 McDermott, G. R., 23, 163, 171.
 McDowell, W. F., 39.
 McInerney, T. J., 23, 131, 138, 139, 211, 212.
 McKelvey, J. V., 23, 73, 93, 203, 208.
 MacKenzie, D. W., 23, 109, 118.
 MacKenzie, H., 35, 76.
 McKiernan, R. L., 38, 186.
 McKinney, A., 35, 76, 95.
 McLeod, M. J., 40.
 McMahon, J., 23, 73, 93.
 Macomber, W., 102, 105.
 McVetty, P. G., 23, 164, 173.
 Maguire, W. H., 35, 76.
 Mahood, S. A., 23, 73, 96, 111, 122, 203, 209.
 Mallory, W. G., 23, 73, 94.
 Malone, K., 23, 73, 87.
 Mann, A. R., 23, 128.
 Marquis, S. S., 39.
 Martin, C. A., 23, 37, 149, 153, 154.
 Martin, J., 38.
 Mason, H. D., 9.
 Mason, J. F., 23, 37, 73, 84, 85, 203, 206.
 Massey, L. M., 23, 131, 145.
 Matheson, R., 23, 130, 139, 140.
 Matthews, F., 8, 9, 190, 200.
 Matthews, J. E., 35, 76.
 Matthews, R., 23, 163, 172.
 Matthews, S., 39.
 Matzke, E. H., 23, 38, 76, 101, 186, 203, 205.
 Maury, C. J., 35, 76, 101.
 Mauxion, G., 23, 149.
 Maver, W. W., 35, 110.
 Mayer, E. C., 23, 94.
 Maynard, L. A., 23, 130, 137.
 Meade, D., 23, 131, 137, 211, 212.
 Meara, F. S., 23, 107, 117.
 Meeks, E. V., 23, 149, 154.
 Meiklejohn, A., 39.

- Merrill, W. P., 39.
 Merritt, E. G., 23, 73, 94, 95, 122.
 Metcalf, F. P., 35, 132, 137, 211, 212.
 Meulen, P. A., van der, 23, 73, 100.
 Meyler, R. G., 23, 164, 173.
 Michenor, J. H., 35, 76.
 Midjo, C., 24, 149, 153.
 Milks, H. J., 24, 121, 126.
 Miller, F. H., 9, 122.
 Miller, R. B., 101.
 Milligan, W. G., 35, 76.
 Mills, A. P., 24, 155, 160.
 Minns, L. A., 24, 121, 142.
 Misner, E. G., 24, 131, 141.
 Moak, H., 122.
 Moesel, J., 35, 76, 99.
 Moler, G. S., 24, 73, 94, 95.
 Monnett, V. E., 100, 203, 209.
 Monroe, B. S., 24, 37, 73, 85, 86, 87, 203, 206.
 Montgomery, E. G., 24, 129, 141.
 Montillon, E. D., 24, 131, 144.
 Moody, H. T., 8.
 Moore, A. A., 24.
 Moore, E. V., 35.
 Moore, I. L., 35, 76.
 Moore, V. A., 24, 37, 121, 127, 199.
 Morath, G. S., 35, 76, 94.
 Mordoff, R. A., 131.
 Mordoff, W. E., 24, 147, 164, 171.
 More, W. D., 40.
 Moree, E. A., 39.
 Morehouse, R., 76.
 Morrill, C. V., 24, 109, 115.
 Morris, E. S., 24, 71.
 Morton, M., 35.
 Moseley, R. S., 24, 131.
 Moses, W., 35, 132, 143, 211, 213.
 Mott, J. R., 40.
 Moulton, L. H., 142.
 Moxom, P. S., 39.
 Muchmore, G. B., 24, 73, 87, 203, 206.
 Muenscher, W. C., 35, 133.
 Mulcahy, T. A., 35, 110.
 Muldoon, W. E., 24, 121, 126.
 Munford, S. A., 37, 38, 76, 101, 186.
 Munz, P. A., 35, 133, 137.
 Murayama, H., 35, 110.
 Murdock, C. C., 24, 73, 94.
 Murlin, J. R., 24, 108, 115.
 Myers, C. H., 24, 129, 144, 145.
 Myers, G. E., 24.
 Myers, W. I., 24, 131.
 Nakahara, W., 140.
 Nammack, C. E., 24, 107, 116.
 Nammack, C. H., 24, 179.
 Nanz, R. S., 35, 133.
 Ne Collins, B., 203, 208.
 Needham J. G., 24, 73, 128, 139, 140, 141.
 Nelson, T. L., 95.
 Newman, J. T., 8, 9.
 Newman, M., 165.
 Newman, O. H., 35.
 Nichols, E. L., 24, 73, 94, 95, 122.
 Niles, W. L., 24, 108, 116.
 Noback, G. J., 122.
 Noble, C. V., 24, 132.
 Norris, C., 110, 118.
 Northup, C. S., 25, 74, 86, 87, 199.
 Noyes, N. H., 191.
 Nye, C., 35, 132.
 Nye, G. H., 38.
 Oberndorf, C. P., 25, 109, 118.
 O'Connell, W. C., 35, 76.
 Ogden, H. N., 25, 37, 155, 160, 161.
 Ogden, R. M., 25, 74, 89.
 Olson, E. E., 35, 76.
 Olason, A. A., 35, 77, 101.
 Orndorff, W. R., 25, 74, 96, 110, 203, 209.
 Orth, S. P., 25, 74, 90, 91, 92.
 Osterberg, E., 25, 109, 116.
 Overholser, E. L., 25, 131, 145.
 Owens, P. W., 25, 74, 93, 203, 208.
 Page, E. R., 25, 164, 173.
 Paine, E. T., 25, 74, 87, 88.
 Papanicolau, G., 36, 109.
 Pardee, H. E., 25, 109.
 Parker, M., 25.
 Parmley, H. M., 25, 163, 171.
 Parson, J. T., 25, 155, 160.
 Pashkow, M. H., 36, 77.
 Patten, J., 8.
 Patterson, W., 200.
 Payne, H. M., 39.
 Pearsall, G. M., 36, 77.
 Pearson, H., 25, 117.
 Peck, G. W., 25, 132, 145.
 Peirce, C. A., 25, 163, 172.
 Perkins, H. C., 25, 164, 171.
 Perry, J. E., 25, 155, 160, 162.
 Persons, J. W., 102, 105.
 Pertsch, J. G., 25, 163, 173.
 Pezet, P. A., 38.
 Phelps, A. C., 25, 149, 153, 154, 174.
 Phillips, H. D., 25, 131, 146.
 Phipps, G. R., 36, 133, 141.
 Pickens, E. M., 25, 121, 127.
 Pidgeon, H. A., 25, 74, 94.
 Pittner, I. K., 211, 213.
 Place, I. A., 8, 9.
 Polk, W. M., 25, 107, 118.
 Pollard, P. H., 95.
 Pollock, J. J., 36.
 Plough, A. W., 36, 134.
 Pond, M. A., 25, 155, 160, 203.
 Pope, P. R., 25, 74, 83, 84, 203, 206, 207, 210.
 Porter, A. K., 38, 149.
 Potter, A. L., 119.

- Pound, C. W., 8, 9.
 Powell, L. P., 38.
 Power, C. E., 209.
 Pratt, W. F., 9.
 Prescott, F. C., 25, 37, 74, 86, 87, 203, 206.
 Price, A. E., 36.
 Price, H. W., 36, 165, 171.
 Pumpelly, L., 25, 37, 74, 84, 203, 206.
 Putnam, A. J., 26, 74.
 Putnam, H., 102, 105.
 Putnam, J. F., 26, 163, 172, 173.
 Punnett, P. W., 109.
 Putney, C. M., 122.

 Quarles, J. T., 26, 38, 74, 92, 203.

 Race, G. W., 165.
 Rahe, A. H., 36, 110, 118.
 Rankin, W. H., 26, 130, 145.
 Ranum, A., 26, 74, 93.
 Ray, A. B., 95, 203, 209.
 Recknagel, A. B., 26, 129, 142, 143.
 Reddick, D., 26, 128, 145.
 Redwood, J. P., 36, 77.
 Reed, H. D., 26, 37, 74, 99, 203, 210.
 Reed, H. L., 26, 74.
 Rees, R. W., 26, 129, 146.
 Reese, R. G., 26, 107, 118.
 Rettger, E. W., 26, 155, 160, 203, 210.
 Reyna, J. E., 26, 131, 139, 211, 213.
 Rhodes, F. H., 26, 74, 95, 96, 203, 209.
 Rice, F. E., 26, 98, 130, 211, 212.
 Rice, J. E., 26, 128, 146.
 Richards, J. H., 26, 109, 116.
 Riche, J. A., 36, 110, 115.
 Richtmyer, F. K., 26, 74, 94, 203, 209.
 Rider, A. J., 36, 77.
 Ries, H., 26, 74, 100, 101, 153.
 Riley, H. W., 26, 129, 147, 211, 214.
 Riley, W. A., 26, 37, 74, 129, 139, 140.
 Rivera, G., 203, 206.
 Robb, B. B., 26, 130, 147.
 Robbins, W. J., 26.
 Roberts, I. P., 26, 128.
 Robinson, E. N., 165.
 Robinson, M., 26, 130.
 Robinson, S., 38, 149.
 Rodgers, R. C., 26, 74, 94.
 Rogers, F. S., 26, 164, 171.
 Rogers, J., 26, 107, 117.
 Roper, J. C., 27, 109, 118.
 Rose, F., 27, 129, 143, 144, 211, 213.
 Ross, H. E., 27, 129, 138, 139, 211, 212.
 Rowlee, W. W., 27, 74, 98.
 Royce, C. H., 27, 130.

 Saby, R. S., 27, 74, 90, 91, 92.
 Sackett, H. W., 8, 9.
 Sailor, R. W., 191.
 Sampson, M. W., 27, 37, 74, 85, 86, 87, 172.

 Samuels, B., 27, 109, 118.
 Sandburg, R. W., 36, 77.
 Sanford, G. M., 156.
 Santee, H. E., 27, 109, 117.
 Sarton, G., 39.
 Saunders, W. L., 36, 77.
 Savage, E. S., 27, 122, 129, 137.
 Sawdon, W. M., 27, 163, 172, 173.
 Scales, B. T., 203, 207, 208.
 Schelleng, J. C., 27, 74, 94.
 Schlapp, M. G., 117.
 Schmidt, N., 27, 74, 81, 89, 90.
 Schneck, H. W., 27, 131, 148, 212, 214.
 Schoder, E. W., 27, 155, 160, 161, 162.
 Schradieck, H. E., 36.
 Schramm, J. R., 27, 130, 137, 138.
 Schultze, O. H., 27, 108, 118, 119.
 Schurman, J. G., 8, 9, 11, 38, 71, 102, 107, 110, 121, 128, 149, 155, 163, 174, 200, 202, 211.
 Schwab, C. M., 8.
 Schwartz, H. J., 27, 109, 116, 118.
 Scott, S. B., 38.
 Scoville, G. P., 27, 130.
 Scoville, R. I., 36, 133, 138, 139.
 Seery, F. J., 27, 155, 160, 203, 210.
 Seulke, K. J., 27, 131, 137.
 Severance, M., 36, 77, 94.
 Severy, H. A., 36.
 Shadle, A. R., 27, 74, 99, 203, 210.
 Shaffer, N. M., 27, 107.
 Shannon, W., 27, 109, 118.
 Shaper, B. W., 27, 131, 141.
 Sharp, L. W., 27, 130, 138.
 Sharpe, F. R., 27, 74, 93, 203, 208.
 Shearer, J. S., 28, 37, 74, 94, 95, 122, 203, 208, 209.
 Sheffer, A., 203, 207.
 Sheldon, P. G., 36, 77.
 Sheldon, W. H., 28, 108, 116.
 Shelley, L. I., 36, 77.
 Shepard, C. S., 8, 9.
 Sherwood, F. B., 28, 95, 132.
 Sherwood, F. W., 96, 203, 209.
 Shevlin, E., 36.
 Shigley, J. F., 36.
 Sicard, M. H., 28, 109, 116, 117.
 Sifton, H. B., 36.
 Sikes, E. R., 36, 77.
 Sill, H. A., 28, 37, 74, 89, 203, 207.
 Silverman, L. L., 28, 74, 93, 203, 208.
 Simpson, S., 28, 74, 99, 111, 120.
 Sipe, S. B., 212, 214.
 Sivian, L. J., 36, 77.
 Slimm, J. B., 36, 77.
 Smiley, E. M., 36, 133.
 Smith, A. W., 28, 163, 172.
 Smith, E. E., 36, 77, 94.
 Smith, E. R., 36, 77, 100.
 Smith, F. M., 28, 36, 74, 85, 86, 134.
 Smith, H., 28, 108, 118.

- Smith, H. W., 28, 74.
 Smith, M. K., 36, 110.
 Smith, R. C., 36, 132, 139.
 Smith, T. L., 28, 156, 160.
 Smith, W. D., 36, 77.
 Snyder, V., 28, 37, 74, 93, 153, 203, 208.
 Soderholm, W. H., 36, 77.
 Somers, R. E., 28, 74, 101.
 Soule, A., 203, 205.
 Soule, W. L., 28, 109.
 Spaulding, H. V., 28, 109, 117.
 Spiegel, M., 148.
 Sponable, E. I., 96.
 Spring, S. N., 28, 129.
 Stagg, C. T., 28, 102, 103, 104.
 Stark, S., 203, 207.
 Stebbins, E. V., 195.
 Steele, E. I., 149.
 Stenberg, T. T., 87.
 Stern, A. L., 36, 77.
 Stevens, A. C., 28, 164, 173.
 Stevens, S., 28, 149, 153.
 Stewart, G. C., 36, 133.
 Stewart, R. B., 28, 164, 173.
 Stewart, V. B., 28, 130, 145.
 Stillman, R. G., 28, 109, 116.
 Stimson, L. A., 28, 107, 117.
 Stobbs, W. M., 36, 77, 111.
 Stockard, C. R., 28, 107, 115, 118.
 Stocker, G. P., 156, 160.
 Stocking, W. A., jr., 28, 128, 138, 139.
 Stone, E. S., 36.
 Stone, J. L., 28, 128.
 Stork, H. E., 36, 77, 98.
 Strachstein, A., 28, 110.
 Strahan, J. L., 28, 131, 147.
 Straight, W. D., 8.
 Stratton, R., 36.
 Strauss, I., 28, 108, 115.
 Stricker, P. F., 36, 77.
 Strunk, W., jr., 29, 74, 85, 86, 87, 174.
 Stryke, A. C., 29, 131, 140, 212, 213.
 Stubbs, M. A., 174.
 Sturgis, C., 29, 74.
 Sturgis, R. C., 39, 149.
 Stupp, C. G., 95.
 Sullivan, J., 203, 205, 207.
 Summers, R. T., 36, 77.
 Sumner, J. B., 29, 74, 99, 111, 120.
 Sunderville, E., 29, 121, 126.
 Supplee, G. C., 29, 131, 138, 139.
 Sutherland, H., 38.
 Sutton, H. B., 36, 111.
 Sutton, J. E., 36, 77, 111.
 Swisher, C. L., 94.
 Switzer, F. G., 29, 164, 171.
 Taft, W. H., 38, 77, 105.
 Tailby, G. W., jr., 29, 130.
 Talbot, E., 40.
 Tanner, H. G., 36, 77.
 Tanner, J. H., 29, 37, 74, 93.
 Tansey, G. J., 8.
 Tapke, V. F., 36, 133.
 Tappan, F. G., 29, 163, 173.
 Tapscott, K. A., 36, 134.
 Taylor, A. S., 29, 107, 117.
 Taylor, E. A., 29, 164, 171.
 Teas, L. P., 36, 77.
 Thatcher, C. G., 29.
 Thatcher, M. L., 36.
 Thayer, C. L., 29, 131, 142, 212, 213.
 Thayer, G. E., 149.
 Thilly, F., 29, 71, 87, 88.
 Thomas, A. J., 36, 77, 87.
 Thomas, C. C., 29, 131, 137.
 Thomas, C. E., 29, 164, 172.
 Thompson, A. L., 29, 130, 141.
 Thompson, C. F., 29, 37, 74, 101.
 Thompson, J. G., 36, 77, 97.
 Thompson, W. G., 29, 107.
 Thro, W. C., 29, 108, 116.
 Tilley, N. N., 29, 164, 172.
 Titchener, E. B., 29, 74, 88.
 Titsworth, B. E., 29, 130.
 Tjomsland, A., 29, 110.
 Torrey, J. C., 29, 107, 118, 119.
 Townsend, C. E., 29, 164, 171.
 Townsend, P. W., 36, 77.
 Tree, T., 38.
 Treman, C. E., 8, 9.
 Treman, R. E., 199.
 Treman, R. H., 8, 9.
 Tressler, D. K., 36, 95, 134.
 Trevor, J. E., 29, 74, 95.
 Troy, H. C., 29, 129, 138, 139.
 Tuck, C. H., 29, 128.
 Turner, J. R., 91, 103, 203, 207.
 Turner, K. B., 30, 155, 160, 161, 162.
 Turnure, P. R., 30, 108, 117.
 Tuttle, E. M., 30, 130, 212, 214.
 Twesten, T. H., 38.
 Tyler, C. M., 29, 30, 75.
 Tyndall, E. P. T., 36, 77.
 Tyrrell, W. D., 30, 110, 118.
 Udall, D. H., 30, 121, 127.
 Underwood, P. H., 30, 155, 160.
 Undritz, E., 203.
 Upton, G. B., 30, 163, 172, 173.
 Urband, E. M., 30, 149, 153.
 Urquhart, L. C., 30, 155, 160, 161, 162, 203, 210.
 Usher, A. P., 30, 75, 90, 91, 92, 103, 203, 207.
 Vance, B. M., 30, 109, 117.
 Van Cleef, M., 8, 9.
 Vandegrift, G. W., 30, 110, 118.
 Vanderhoef, J. E., 36, 164, 171, 203, 205, 210.
 Van Fleet, M. E., 36, 110.
 Van Keuren, H., 36.

- Van Rensselaer, M., 30, 129, 143, 144, 212, 213.
 Ven, P. van den, 39.
 Vernon, A. W., 39.
 Vinton, F. E., 30, 132, 143, 147, 212, 213.
 Vollmer, C., 83.
 Volz, E. C., 30, 132, 142.
 Voorhees, I. N., 36, 77.
 Vorhis, C. T., 36.

 Waldbauer, L. J., 36, 77.
 Walker, C. L., 30, 155, 160, 161.
 Wallace, C., 30, 108, 119.
 Wann, F. B., 30, 132, 137.
 Ward, G. G., jr., 30, 108, 110, 118.
 Warner, A. J., 30, 130, 143.
 Warner, C. A., 37, 77.
 Warren, G. F., jr., 30, 128.
 Warsaw, W. W., 30, 131.
 Warshow, H., 37, 77.
 Washburn, C. E., 37.
 Waters, H. H., 30.
 Way, C., 122.
 Webster, C. E. S., jr., 117.
 Wedlake, W. J., 37.
 Weeks, P. T., 30, 75, 94.
 Weese, A., 84.
 Weil, R., 30, 108, 116, 118.
 Weld, H. P., 30, 75, 88, 89.
 Wells, A. E., 30, 163, 171, 173, 203, 205, 210.
 Welsh, T. W. B., 30, 75, 95, 97, 122, 203, 209.
 Westervelt, J. C., 8, 9.
 Westinghouse, H. H., 8, 9.
 Wheeler, R. H., 31, 130, 141.
 Whetsel, H. H., 31, 128, 145.
 Whitbeck, B. H., 31, 110, 119.
 White, A. C., 31, 77, 81, 174.
 White, A. D., 8, 9.
 White, B., 203, 207.
 White, E. A., 31, 129, 142.
 White, E. C., 31.
 White, H., 8, 9.
 White, J. D., 8, 9.
 White, W. B., 37, 132.
 Whiting, F., 31, 107, 119.
 Whitman, C. S., 39.
 Whitney, C. W., 31, 131, 141.
 Wichelns, A., 37, 77, 101.
 Wichelns, H. A., 37, 77.
 Wiegand, K. M., 31, 129, 137, 138, 212.
 Wiggers, C. J., 31, 108, 115.
 Wightman, G. E., 37.
 Wilbur, P. C., 37, 77.
 Wilder, B. G., 31, 75.

 Wilkinson, A. E., 31, 131.
 Willcox, W. F., 9, 31, 75, 91, 92.
 Willever, E. E., 102.
 Williams, C. D., 39.
 Williams, E. A., 37, 77.
 Williams, E. L., 9, 38.
 Williams, E. M., 37, 121, 127.
 Williams, H. S., 31, 75.
 Williams, L., 39.
 Williams, R. B., 8, 9.
 Williams, W. L., 31, 121.
 Willis, E. R. B., 174.
 Wills, J. G., 122.
 Wilson, B. D., 37, 133, 147.
 Wilson, J. K., 31, 130.
 Wilson, T. B., 8, 9.
 Wilson, W. M., 31, 128, 144.
 Winans, J. A., 31, 75, 87, 153.
 Winchell, P. A., 37, 134.
 Wing, H. H., 31, 121, 128, 137.
 Wing, L. A., 31, 110, 117.
 Winters, J. E., 31, 107, 118.
 Wolf, R. J., 37, 77.
 Wontz, J. B., 37.
 Wood, E. H., 31, 163.
 Wood, H. E., 204, 205.
 Wood, L., 38.
 Woodbury, R. M., 91, 103.
 Woodruff, E. H., 31, 102, 103, 104.
 Woods, W. C., 37, 132, 139.
 Woolsey, G., 32, 107, 117.
 Worcester, E., 39.
 Worcester, J., 32, 109, 117.
 Work, P., 31, 32, 130, 147, 148.
 Working, H., 75, 146.
 Works, G. A., 32, 37, 128, 147, 211, 212, 214.
 Worn, G. A., 32, 164, 171.
 Wright, A. H., 32, 75, 87, 88, 99.
 Wright, L. H., 32.
 Wright, W. K., 32, 204, 205.
 Wright, W. W., 32, 110, 118.

 Yorkey, W. R., 94.
 Young, A. A., 32, 37, 75, 91, 92, 174, 204, 207.
 Young, C. V. P., 32, 37, 75, 101.
 Young, G., jr., 32, 149, 153, 154.
 Young, H. B., 32, 129, 143.
 Young, W. S., 37, 133, 146.

 Zimm, L. A., 32, 132.
 Zinnecker, W. D., 32, 75, 83, 204, 206.
 Zinssmeister, C. L., 37.